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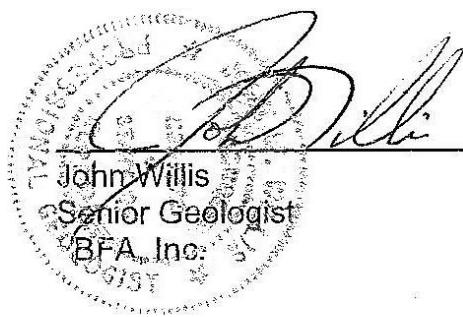
ENCLOSURE 4 QUARTERLY GROUNDWATER SAMPLING AT STUDY AREA 38 NTC
ORLANDO FL
3/1/2009
BARNES, FERLAND AND ASSOCIATES

ENCLOSURE 4**QUARTERLY GROUNDWATER SAMPLING AT SA 38****NAVAL TRAINING CENTER, ORLANDO****March 2009**

<i>PREPARED FOR:</i>	Mr. Mike Singletary EV3, Environmental Restoration NAVFAC, SE
<i>PREPARED BY:</i>	<i>Barnes, Ferland and Associates Inc.</i>
<i>FIELD TEAM:</i>	Darren Miller, Damian Allen
<i>CONTRACT NUMBER:</i>	N69450-08-R-8001
<i>TASK ORDER NUMBER:</i>	0002
<i>TASK ORDER MANAGER:</i>	John W. Willis, MS, P.G.
<i>SUBMITTAL DATE:</i>	May 2009

SIGNATURE PAGE

We, the undersigned, do hereby affirm that the information contained in this report is accurate and correct to the best of our knowledge and belief.

A handwritten signature of John Willis in black ink, featuring a stylized 'J' and 'W'.

John Willis
Senior Geologist
BFA, Inc.

Date

PG-FL 1770
Registration No

A handwritten signature of Darren Miller in black ink, featuring a stylized 'D' and 'M'.

Darren Miller
Field Supervisor
BFA, Inc.

Date

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Appendix B: March 2009 Analytical Results Reports	

INTRODUCTION

This report presents the results of the March 2009 groundwater sampling performed by Barnes Ferland and Associates (BFA) at Study Area 38 at the Naval Training Center (NTC) Orlando in Orlando, Florida.

This work was performed under Contract No. N62467-03-G-0297, Contract Task Order (CTO) No. 0002. Field activities were performed in accordance with the *Work Plan: Long Term Monitoring Services at Former Naval Training Center, Orlando, Florida* [BFA, 2008].

2.0 Summary of Field Activities and Results

2.1 Deviations from Work-Plan

None noted

2.2 Water level measurements

Groundwater level measurements were collected from 13 SA38 monitoring wells on March 12, 2009. The CMT wells were not used for groundwater flow measurements.

The groundwater levels and the groundwater elevations calculated from these water levels are shown in **Table 1** and have been plotted graphically along with the groundwater flow directions inferred from these data in **Figure 1**.

2.3 Groundwater Sampling

Groundwater sampling was conducted at SA38 on March 12 and 13, 2009. Fourteen (14) monitoring wells were purged and sampled using the low-flow method described in the work plan. **Table 2** contains the field parameters taken at stabilization after the completion of well purging.

2.4 Analytical Results

Groundwater analyte detections are shown in **Table 3**. For all analytes, the screening criterion is the Florida Department of Environmental Protection FDEP MCLs as given in the Drinking Water Standards (FAC 62-550 table 1, Maximum Contaminant Limits (MCL) for Volatile Organic Compounds) and FAC 62-777 Table V Natural Attenuation Default Concentrations (NADC). Bolded values within the tables indicate detected analyte concentrations. Yellow highlights indicate results above the FDEP MCL/GCTL and/or 62-777 Groundwater Cleanup Target Levels (GCTL). Orange highlighted values indicate concentrations in excess of FDEP NADC.

The only groundwater contamination exceedences were found in two C zone wells. The contaminant found above GCTL was Benzene (GCTL1 µg/L). OLD SA38-58C2 contained 26 µg/L and ODL SA 38 59C contained 463 µg/L.

2.5 Evaluation of Natural Attenuation

The sampling results continue to indicate the decrease of the contaminants of concern (BTEX and VOH) in the effected wells. The very low oxygen concentrations and high hydrogen and methane concentrations indicate that conditions are anoxic and reductive dechlorination of the remaining VOH is occurring, but this slows the destruction of the BTEX which require oxygen for efficient biological degradation. At the current time there are no exceedences for halocarbons in the monitored wells of this study area.

3.0 CONCLUSIONS AND RECOMMENDATIONS

It is the opinion of BFA that the analytical data indicates the probability that:

The methylene chloride present in the blanks and four well samples is thought to be a lab error, otherwise the VOH concentrations have dropped to undetectable levels and are no longer an issue at this site;

The BTEX contamination present represents a detached plume that escaped the source areas before remediation efforts were successful in reducing and then eliminating the sources;

The center of the detached BTEX plume has passed well OLD SA38-59C but has not reached the downgradient wells 60C or 61C.

Recommendations:

Based on our observations and the analytical data to date, the following is recommended for this site:

The sampling of the SA38 wells should continue until GCTL is met in all of the site's monitoring wells

TABLES

-
- Table 1** *Groundwater Elevations*
Table 2 *Field Parameters*
Table 3 *Analytical Results*
-

Table 1 Study Area 38						
Groundwater Elevations, March 2009						
Well ID	Date Sampled	Well DIA	Screen Interval (ft.)	TOC Elevation (ft)	Depth-to-Water (ft)	Groundwater Elevation (ft)
OLD-38-49D	3/12/09	2"	57'-62'	113.33	10.22	103.11
OLD-38-50C	3/12/09	1"	33'-38'	113.87	10.66	103.21
OLD-38-51D	3/12/09	1"	45'-50'	113.88	10.69	103.19
OLD-38-52C	3/12/09	1"	35'-40'	114.32	10.97	103.35
OLD-38-53D	3/12/09	1"	44'-49'	114.33	11.01	103.32
OLD-38-54C	3/12/09	1"	35'-40'	112.50	8.57	103.93
OLD-38-55D	3/12/09	1"	45'-50'	112.53	8.6	103.93
OLD-38-56C	3/12/09	1"	30'-35'	114.65	10.69	103.96
OLD-38-57A	3/12/09	1"	5'-15'	113.70	7.16	106.54
OLD-38-58 (C-1)	3/12/09	0.375"	30'-35'	113.18		
OLD-38-58 (C-2)	3/12/09	0.375"	40'-45'	113.19		
OLD-38-59C	3/12/09	1.5"	35'-40'	106.09	4.75	101.34
OLD-38-60C	3/12/09	1.5"	30'-35'	105.94	5.95	99.99
OLD-38-61C	3/12/09	1.5"	30'-35'	105.73	6.56	99.17
OLD-38-62D	3/12/09	1.5"	55'-60'	106.31	5.94	100.37

Notes:
All measurements are in units of feet.
BGS - Below ground surface.
BTOC - Below top of casing
NM - Not measured.

Table 2 Study Area 38 Field Parameters, March 2009							
Well_ID	Date	DO mg/l	Temp °C	Conductivity µS	pH	ORP mv	Turbidity NTU
OLD-38-49D	3/12/2009	1.06	24.30	208.0	5.46	-110.3	0.1
OLD-38-50C	3/12/2009	0.0	24.73	147.1	4.60	103.0	5.7
OLD-38-51D	3/12/2009	0.01	24.88	216.9	4.60	94.0	11.2
OLD-38-52C	3/12/2009	0.06	25.42	234.3	4.65	120.0	4.2
OLD-38-53D	3/12/2009	0.04	25.35	224.9	4.66	130.0	3.6
OLD-38-54C	3/12/2009	0.06	25.14	110.0	5.48	-55.0	0.1
OLD-38-55D	3/12/2009	0.04	25.32	157.0	5.87	-84.9	4.3
OLD-38-56C	3/12/2009	0.01	25.10	113.3	4.47	150.0	4.2
OLD-38-58 (C-1)	3/12/2009	0.01	24.14	686.0	6.62	-201.1	0.1
OLD-38-58 (C-2)	3/12/2009	0.02	24.25	464.0	6.55	-150.8	0.1
OLD-38-59C	3/13/2009	1.21	23.71	122.0	5.59	-117.0	0.1
OLD-38-60C	3/13/2009	0.03	24.41	186.0	4.73	58.0	3.1
OLD-38-61C	3/13/2009	0.09	24.32	185.9	5.74	15.0	1.3
OLD-38-62D	3/13/2009	0.35	24.26	206.0	5.40	-87.1	0.1

** = Suspected Laboratory Contaminant

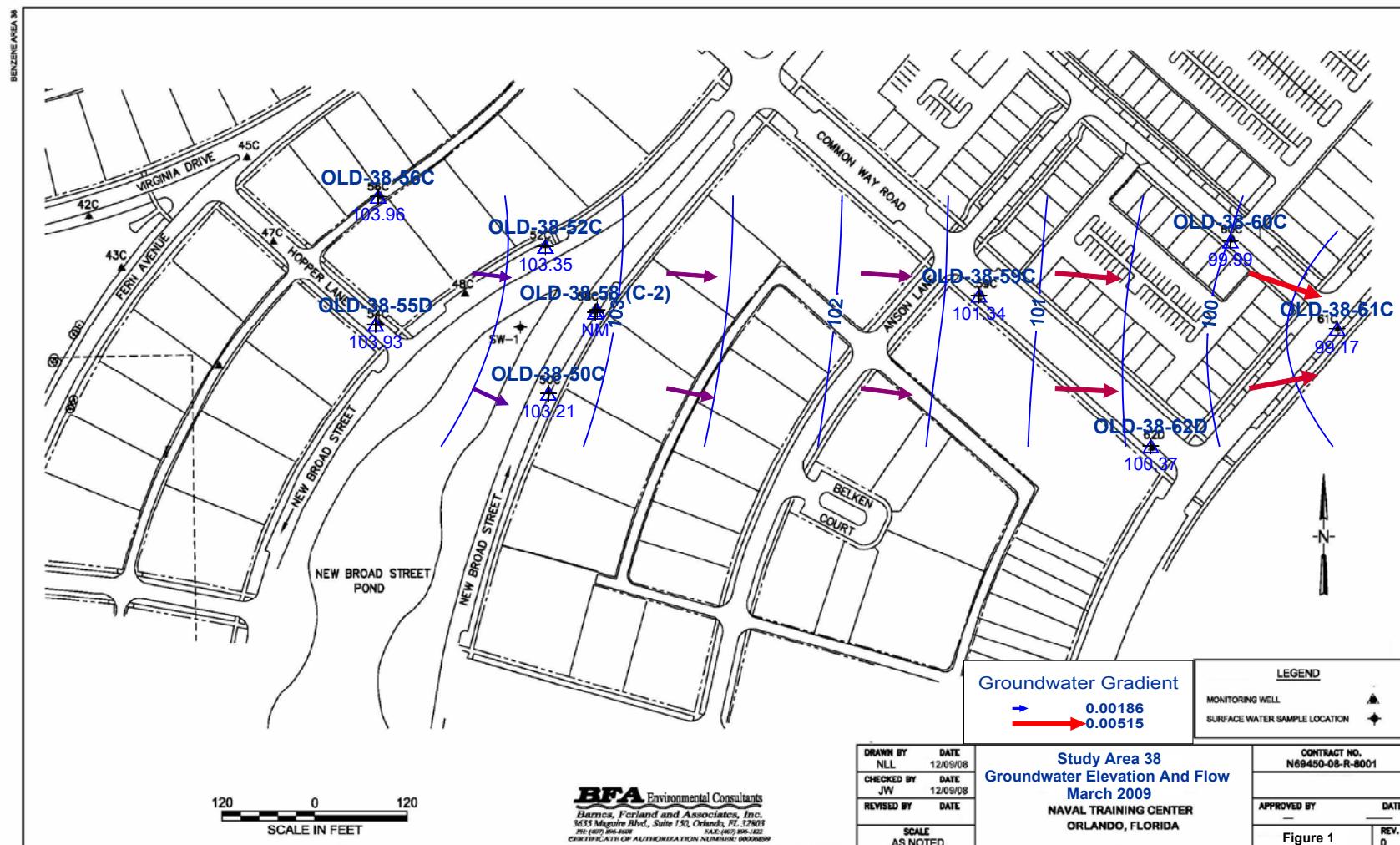
Orlando NTC SA 38			Well Number		OLD-38-60C	OLD-38-61C	OLD-38-62D	OLD-38-EB
Analytical results March, 2009			Lab Number		F63990-2	F63990-3	F63990-4	F63990-5
Chemical Name	CAS No.	Units	GCTL	NADSC	3/13/2009	3/13/2009	3/13/2009	3/13/2009
Natural Attenuation Parameters								
HYDROGEN	1333-74-0	nM/L	*	*	NA	NA	NA	NA
METHANE	74-82-8	µg/L	*	*	NA	NA	NA	NA
NITROGEN, NITRATE (AS N)	14797-55-8	µg/L	10,000	100,000	NA	NA	NA	NA
NITROGEN, NITRITE	14797-65-0	µg/L	1,000	10,000	NA	NA	NA	NA
SULFATE (AS SO ₄)	14808-79-8	µg/L	250,000	2,500,000	NA	NA	NA	NA
Chlorinated Solvents and Degradation Byproducts								
CARBON TETRACHLORIDE	56-23-5	µg/L	3	300	0.22 U	0.22 U	0.22 U	0.22 U
CHLOROFORM	67-66-3	µg/L	70	700	0.28 U	0.28 U	0.28 U	0.28 U
TETRACHLOROETHYLENE(PCE)	127-18-4	µg/L	3	300	0.22 U	0.22 U	0.22 U	0.22 U
TRICHLOROETHYLENE	79-01-6	µg/L	3	300	0.32 U	0.32 U	0.32 U	0.32 U
CIS-1,2-DICHLOROETHYLENE	156-59-2	µg/L	70	700	0.20 U	0.20 U	0.20 U	0.20 U
TRANS-1,2-DICHLOROETHENE	156-60-5	µg/L	100	1000	0.45 U	0.45 U	0.45 U	0.45 U
1,1-DICHLOROETHYLENE	75-35-4	µg/L	7	70	0.54 U	0.54 U	0.54 U	0.54 U
VINYL CHLORIDE	75-01-4	µg/L	1	10	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2,2-TETRACHLOROETHANE	79-34-5	µg/L	0.2	20	0.21 U	0.21 U	0.21 U	0.21 U
1,1,2-TRICHLOROETHANE	79-00-5	µg/L	5	500	0.26 U	0.26 U	0.26 U	0.26 U
1,1,1-TRICHLOROETHANE	71-55-6	µg/L	5	2000	0.33 U	0.33 U	0.33 U	0.33 U
1,1-DICHLOROETHANE	75-34-3	µg/L	70	700	0.24 U	0.24 U	0.24 U	0.24 U
1,2-DICHLOROETHANE	107-06-2	µg/L	3	300	0.34 U	0.34 U	0.34 U	0.34 U
METHYL CHLORIDE	74-87-3	µg/L	2.7	27	0.61 U	0.61 U	0.61 U	0.61 U
CHLOROETHANE	75-00-3	µg/L	12	1200	0.48 U	0.48 U	0.48 U	0.48 U
METHYLENE CHLORIDE	75-09-2	µg/L	5	500	3.9 **	3.5 **	4.1 **	3.9 **
Hydrocarbon Fuel								
BENZENE	71-43-2	µg/L	1	100	0.40 U	0.40 U	0.40 U	0.40 U
TOLUENE	108-88-3	µg/L	1000	10000	0.35 U	0.35 U	0.35 U	0.35 U
ETHYLBENZENE	100-41-4	µg/L	700	7000	0.43 U	0.43 U	0.43 U	0.43 U
XYLENES (TOTAL)	1330-20-7	µg/L	20	200	0.78 U	0.78 U	0.78 U	0.78 U
TRPH (C8-C40)	FLPRO	mg/l	5	50	NA	NA	NA	NA
Hydrocarbon Solvents								
ACETONE	67-64-1	µg/L	6300	63000	10 U	10 U	10 U	12.2
METHYL ETHYL KETONE	78-93-3	µg/L	4200	42000	2.0 U	2.0 U	2.0 U	2.0 U
4-METHYL-2-PENTANONE	108-10-1	µg/L	560	5600	2.0 U	2.0 U	2.0 U	2.0 U
2-HEXANONE	591-78-6	µg/L	280	2800	5.0 U	5.0 U	5.0 U	5.0 U
STYRENE	100-42-5	µg/L	100	1000	0.36 U	0.36 U	0.36 U	0.36 U
CARBON DISULFIDE	75-15-0	µg/L	700	7000	0.40 U	0.40 U	0.40 U	0.40 U
Miscellaneous Analytes								
CIS-1,3-DICHLOROPROPENE	10061-01-5	µg/L	1.9	2	0.21 U	0.21 U	0.21 U	0.21 U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	µg/L	1.7	2	0.21 U	0.21 U	0.21 U	0.21 U
1,2-DICHLOROPROPANE	78-87-5	µg/L	5	500	0.21 U	0.21 U	0.21 U	0.21 U
CHLOROBENZENE	108-90-7	µg/L	100	1000	0.22 U	0.22 U	0.22 U	0.22 U
DIBROMOCHLOROMETHANE	124-48-1	µg/L	0.4	40	0.20 U	0.20 U	0.20 U	0.20 U
BROMODICHLOROMETHANE	75-27-4	µg/L	0.6	60	0.20 U	0.20 U	0.20 U	0.20 U
METHYL BROMIDE	74-83-9	µg/L	9.8	98	0.78 U	0.78 U	0.78 U	0.78 U
BROMOFORM	75-25-2	µg/L	4.4	440	0.33 U	0.33 U	0.33 U	0.33 U

** = Suspected Laboratory Contaminant

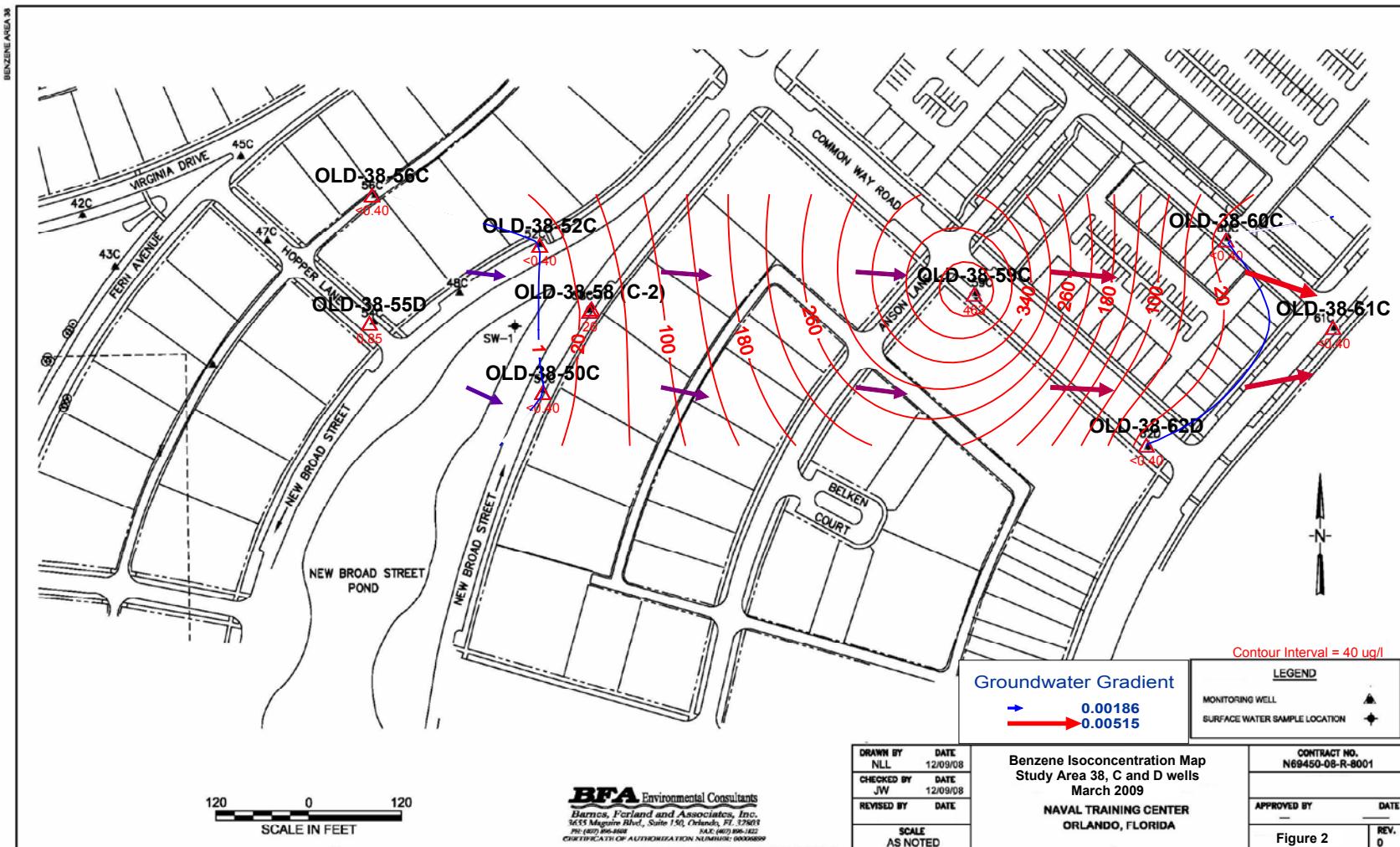
FIGURES

Figure 1 Potentiometric Map, (C&D) Wells

Figure 2 Groundwater Benzene Isoconcentration Map, (C&D) Wells



Enclosure 4-8



Enclosure 4-9

ENCLOSURE (
APPENDICES

(In Electronic Copies only)

-
- A** *March 2009 Purge Logs*
B *March 2009 Laboratory Analytical Results Reports*
-

**SA38 Long Term Monitoring Report,
Enclosure 4, March Sampling Event,
Appendix A, Purge Logs
(Electronic Copies)**

GROUNDWATER SAMPLING LOG

Page 1 of 15

SITE NAME: Groundwater Sampling at SA38				SITE LOCATION: Orlando			
WELL NO: OLD-38-49D		SAMPLE ID: 07-71009/14:OLD-38-49D:3/12/09_10:21_				DATE: 03/12/2009	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR SAMPLER: Peristaltic							
2.00	0.13	57-62	10.25								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) = (62.61 feet - 10.25 feet) X 0.16 gallons/foot = 8.55 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) =0.05 gallons+ (0.00 gallons/foot X64.00 feet)+ 0.07 gallons = 0.16 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	60.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	60.00	PURGING INITIATED AT: 10:05 PURGING ENDED AT: 10:21 TOTAL VOLUME PURGED (gallons): 1.40							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:10		0.50	10.40	5.46	-133.90	24.33	210.00	2.66	0.00	clear	sulfuric
10:13	-0.20	0.30	10.40	5.46	-120.50	24.37	209.00	1.28	0.00	clear	sulfuric
10:16	0.00	0.30	10.40	5.46	-116.00	24.33	209.00	1.15	0.00	clear	sulfuric
10:19	0.00	0.30	10.40	5.46	-111.40	24.28	208.00	1.09	0.10	clear	sulfuric
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)			CHEMetrics Field Data(mg/L)		
DO(mg/L): 1.06	TEMP.(°C): 24.3	DO:	CO2:	DO High Range:	DO Low Range:		
SEC(uS/cm): 208	pH: 5.46	Alkalinity:	Ferrous Iron:	CO2 High Range:	DO Low Range:		
ORP(mV): -110.3	TURB(NTU): 0.1	H2S:	Maganese:	Alkalinity High Range:	Alkalinity Low Range:		
Salinity:		Sulfate:	Sulfide:				
		Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 10:21		SAMPLING ENDED AT: 10:30		
PUMP OR TUBING DEPTH IN WELL (feet): 60.00		SAMPLE PUMP FLOW RATE (mL per minute): 331.22		TUBING MATERIAL CODE: PPE				
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Filtration Equipment Type:		FILTER SIZE: NA		DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other								

- NOTES:**
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

Page 2 of 15

SITE NAME: Groundwater Sampling at SA38				SITE LOCATION: Orlando			
WELL NO: OLD-38-50C		SAMPLE ID: 07-71009/14:OLD-38-50C:3/12/09_10:34_				DATE: 03/12/2009	

PURGING DATA

WELL DIAMETER (inches):	1.00	TUBING DIAMETER (inches):	0.13	WELL SCREEN INTERVAL DEPTH (feet):	33-38	STATIC DEPTH TO WATER (feet):	10.67	PURGE PUMP TYPE OR SAMPLER: Peristaltic
----------------------------	------	------------------------------	------	---------------------------------------	-------	----------------------------------	-------	--

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (39.65 feet - 10.67 feet) X 0.04 gallons/foot = 1.18 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.00 gallons+(0.00 gallons/foot X38.00 feet)+ 0.15 gallons = 0.17 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	34.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	34.00	PURGING INITIATED AT:	10:19	PURGING ENDED AT:	10:34	TOTAL VOLUME PURGED (gallons):	1.00
---	-------	---	-------	--------------------------	-------	----------------------	-------	-----------------------------------	------

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:25		0.40	10.67	4.81	106.00	24.57	146.10	0.17	16.00	milky	none
10:30	0.30	0.70	10.69	4.73	105.00	24.70	147.50	0.00	7.90	milky	none
10:33	0.20	0.90	10.71	4.70	104.00	24.72	147.20	0.00	6.20	milky	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): 0	TEMP.(°C): 24.73	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 147.1	pH: 4.69	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 103	TURB(NTU): 5.7	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: <i>Damian Allen</i>	SAMPLING INITIATED AT: 10:34	SAMPLING ENDED AT: 10:49
---	--	------------------------------------	--------------------------------

PUMP OR TUBING DEPTH IN WELL (feet): 34.00	SAMPLE PUMP FLOW RATE (mL per minute): 252.36	TUBING MATERIAL CODE: PPE
--	---	------------------------------

FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
---	--	----------------------------	-----------------	---

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-51D	SAMPLE ID: 07-71009/14:OLD-38-51D:3/12/09_11:27_ DATE: 03/12/2009

PURGING DATA

WELL DIAMETER (inches):	1.00	TUBING DIAMETER (inches):	0.13	WELL SCREEN INTERVAL DEPTH (feet):	45-50	STATIC DEPTH TO WATER (feet):	10.70	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (50.50 feet - 10.70 feet) X 0.04 gallons/foot = 1.62 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.00 gallons+(0.00 gallons/foot X50.00 feet)+ 0.15 gallons = 0.18 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	46.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	46.00	PURGING INITIATED AT:	11:07	PURGING ENDED AT:	11:27	TOTAL VOLUME PURGED (gallons):	1.60
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:19		1.00	10.73	4.67	102.00	24.92	217.00	0.00	21.50	milky	organic
11:22	0.30	1.30	10.73	4.63	98.00	24.87	217.00	0.01	14.50	milky	organic
11:26	0.20	1.50	10.73	4.61	95.00	24.91	216.90	0.01	11.70	milky	organic

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): .01	TEMP.(°C): 24.88	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 216.9	pH: 4.6	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 94	TURB(NTU): 11.2	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT:	11:27	SAMPLING ENDED AT:	11:34
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PUMP OR TUBING DEPTH IN WELL (feet):	46.00	SAMPLE PUMP FLOW RATE (mL per minute):	302.83	TUBING MATERIAL CODE:	PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Filtration Equipment Type:	FILTER SIZE: NA	DUPPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
 pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-52C	SAMPLE ID: 07-71009/14:OLD-38-52C:3/12/09_12:24_ DATE: 03/12/2009

PURGING DATA

WELL DIAMETER (inches): 1.00	TUBING DIAMETER (inches): 0.13	WELL SCREEN INTERVAL DEPTH (feet): 35-40	STATIC DEPTH TO WATER (feet): 11.00	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (40.75 feet - 11.00 feet) X 0.04 gallons/foot = 1.21 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.00 gallons+(0.00 gallons/foot X40.00 feet)+ 0.15 gallons = 0.17 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 36.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 36.00	PURGING INITIATED AT: 12:13	PURGING ENDED AT: 12:24	TOTAL VOLUME PURGED (gallons): 0.90
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:17		0.30	11.05	4.65	135.00	25.68	231.40	0.14	7.00	clear	organic
12:20	0.20	0.50	11.04	4.66	126.00	25.49	234.10	0.00	6.00	clear	organic
12:23	0.30	0.80	11.05	4.65	121.00	25.42	234.20	0.05	5.30	clear	organic

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): .06	TEMP.(°C): 25.42	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 234.3	pH: 4.65	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 120	TURB(NTU): 4.2	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: <i>Damian Allen</i>	SAMPLING INITIATED AT: 12:24	SAMPLING ENDED AT: 12:25
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PUMP OR TUBING DEPTH IN WELL (feet): 36.00	SAMPLE PUMP FLOW RATE (mL per minute): 309.72	TUBING MATERIAL CODE: PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-53D	SAMPLE ID: 07-71009/14:OLD-38-53D:3/12/09_12:59_ DATE: 03/12/2009

PURGING DATA

WELL DIAMETER (inches):	1.00	TUBING DIAMETER (inches):	0.13	WELL SCREEN INTERVAL DEPTH (feet):	44-49	STATIC DEPTH TO WATER (feet):	11.04	PURGE PUMP TYPE OR SAMPLER: Peristaltic			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable)											
= (49.50 feet - 11.04 feet) X 0.04 gallons/foot = 1.57 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:	12:49	TOTAL VOLUME PURGED (gallons):			
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:51		0.40	11.04	4.70	133.00	25.44	222.00	0.45	4.30	clear	organic
12:54	0.40	0.80	11.05	4.67	130.00	25.43	225.00	0.01	2.40	clear	organic
12:58	0.40	1.20	11.06	4.65	130.00	25.37	224.60	0.02	4.30	clear	organic
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): .04	TEMP.(°C): 25.35	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 224.9	pH: 4.66	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 130	TURB(NTU): 3.6	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: <i>Damian Allen</i>	SAMPLING INITIATED AT: 12:59	SAMPLING ENDED AT: 13:00							
PUMP OR TUBING DEPTH IN WELL (feet): 45.00	SAMPLE PUMP FLOW RATE (mL per minute): 492.10		TUBING MATERIAL CODE: PPE							
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTRATION EQUIPMENT TYPE: Filtration Equipment Type:	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N							
SAMPLE CONTAINER SPECIFICATION	SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD								
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	SAMPLING EQUIPMENT CODE			
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)										
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump				EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other						

- NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-54C	SAMPLE ID: 07-71009/14:OLD-38-54C:3/12/09_14:10_ DATE: 03/12/2009

PURGING DATA

WELL DIAMETER (inches): 1.00	TUBING DIAMETER (inches): 0.13	WELL SCREEN INTERVAL DEPTH (feet): 35-40	STATIC DEPTH TO WATER (feet): 8.61	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (40.50 feet - 8.61 feet) X 0.04 gallons/foot = 1.30 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.05 gallons+ (0.00 gallons/foot X42.00 feet)+ 0.07 gallons = 0.14 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 38.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 38.00	PURGING INITIATED AT: 13:55	PURGING ENDED AT: 14:10	TOTAL VOLUME PURGED (gallons): 1.40
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:00		0.50	8.70	5.74	-65.30	25.15	107.00	1.27	0.10	clear	sulfuric
14:03	-0.20	0.30	8.70	5.64	-60.10	25.19	108.00	0.92	0.10	clear	sulfuric
14:06	0.00	0.30	8.70	5.51	-51.30	25.18	109.00	0.10	0.10	clear	sulfuric
14:09	0.00	0.30	8.70	5.48	-53.80	25.17	109.00	0.07	0.10	clear	sulfuric

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): 0.06	TEMP.(°C): 25.14	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 110	pH: 5.48	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): -55.	TURB(NTU): 0.1	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller	SAMPLER(S) SIGNATURES: <i>DLM</i>	SAMPLING INITIATED AT: 14:10	SAMPLING ENDED AT: 14:20
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PUMP OR TUBING DEPTH IN WELL (feet): 38.00	SAMPLE PUMP FLOW RATE (mL per minute): 353.31	TUBING MATERIAL CODE: PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Filtration Equipment Type:			

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES:**
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38				SITE LOCATION: Orlando			
WELL NO: OLD-38-55D		SAMPLE ID: 07-71009/14:OLD-38-55D:3/12/09_15:11_				DATE: 03/12/2009	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR SAMPLER: Peristaltic							
1.00	0.13	45-50	8.57								
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) = (50.81 feet - 8.57 feet) X 0.04 gallons/foot = 1.72 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) =0.05 gallons+ (0.00 gallons/foot X52.00 feet)+ 0.07 gallons = 0.15 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	48.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	48.00	PURGING INITIATED AT: 14:55 PURGING ENDED AT: 15:11 TOTAL VOLUME PURGED (gallons): 1.40							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
15:00		0.50	8.60	5.86	-122.40	25.30	160.00	1.42	0.30	milky	sulfuric
15:03	-0.20	0.30	8.60	5.95	-101.40	25.28	160.00	0.57	1.10	milky	organic
15:06	0.00	0.30	8.60	5.90	-89.80	25.23	158.00	0.11	3.60	milky	sulfuric
15:09	0.00	0.30	8.60	5.89	-86.30	25.22	157.00	0.04	4.10	milky	sulfuric
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)			CHEMetrics Field Data(mg/L)		
DO(mg/L): 0.04	TEMP.(°C): 25.32	DO:	CO2:	DO High Range:	DO Low Range:		
SEC(uS/cm): 157	pH: 5.87	Alkalinity:	Ferrous Iron:	CO2 High Range:	DO Low Range:		
ORP(mV): -84.9	TURB(NTU): 4.3	H2S:	Maganese:	Alkalinity High Range:	Alkalinity Low Range:		
Salinity:		Sulfate:	Sulfide:				
		Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller		SAMPLER(S) SIGNATURES: 		SAMPLING INITIATED AT: 15:11		SAMPLING ENDED AT: 15:20		
PUMP OR TUBING DEPTH IN WELL (feet): 48.00		SAMPLE PUMP FLOW RATE (mL per minute): 331.22		TUBING MATERIAL CODE: PPE				
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Filtration Equipment Type:		FILTER SIZE: NA		DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other								

- NOTES:**
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-56C	SAMPLE ID: 07-71009/14:OLD-38-56C:3/12/09_14:28_ DATE: 03/12/2009

PURGING DATA

WELL DIAMETER (inches): 1.00	TUBING DIAMETER (inches): 0.13	WELL SCREEN INTERVAL DEPTH (feet): 30-35	STATIC DEPTH TO WATER (feet): 10.72	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (35.22 feet - 10.72 feet) X 0.04 gallons/foot = 1.00 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.00 gallons+(0.00 gallons/foot X35.00 feet)+ 0.15 gallons = 0.17 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	PURGING INITIATED AT: 14:14	PURGING ENDED AT: 14:28	TOTAL VOLUME PURGED (gallons): 1.20
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:21		0.40	10.69	4.49	152.00	25.09	112.20	0.11	14.20	clear	none
14:24	0.40	0.80	10.69	4.48	149.00	25.08	112.60	0.01	8.00	clear	none
14:27	0.20	1.00	10.70	4.47	149.00	25.10	113.10	0.01	4.80	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): .01	TEMP.(°C): 25.1	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 113.3	pH: 4.47	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 150	TURB(NTU): 4.2	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: <i>Damian Allen</i>	SAMPLING INITIATED AT: 14:28	SAMPLING ENDED AT: 14:42
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PUMP OR TUBING DEPTH IN WELL (feet): 31.00	SAMPLE PUMP FLOW RATE (mL per minute): 324.46	TUBING MATERIAL CODE: PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-58 (C-1)	SAMPLE ID: 07-71009/14:OLD-38-58 (C-1):3/12/09_11; DATE: 03/12/2009

PURGING DATA

WELL DIAMETER (inches): 0.38	TUBING DIAMETER (inches): 0.13	WELL SCREEN INTERVAL DEPTH (feet): 30-35	STATIC DEPTH TO WATER (feet): 0.00	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (37.00 feet - 0.00 feet) X 0.01 gallons/foot = 0.21 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.05 gallons+ (0.00 gallons/foot X34.00 feet)+ 0.07 gallons = 0.14 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30.00	PURGING INITIATED AT: 11:00	PURGING ENDED AT: 11:15	TOTAL VOLUME PURGED (gallons): 1.40
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:05		0.50	0.00	6.59	-221.70	24.13	684.00	0.68	0.20	yellow	sulfuric
11:08	-0.20	0.30	0.00	6.60	-211.50	24.16	685.00	0.36	0.10	yellow	sulfuric
11:11	0.00	0.30	0.00	6.62	-206.90	24.09	685.00	0.21	0.10	yellow	sulfuric
11:14	0.00	0.30	0.00	6.62	-202.10	24.15	686.00	0.07	0.10	yellow	sulfuric

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): 0.06	TEMP.(°C): 24.14	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 686	pH: 6.62	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): -201.1	TURB(NTU): 0.1	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller	SAMPLER(S) SIGNATURES: DW/M	SAMPLING INITIATED AT: 11:15	SAMPLING ENDED AT: 11:25
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PUMP OR TUBING DEPTH IN WELL (feet): 30.00	SAMPLE PUMP FLOW RATE (mL per minute): 353.31	TUBING MATERIAL CODE: PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTER SIZE: NA	DUPPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Filtration Equipment Type:			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38				SITE LOCATION: Orlando			
WELL NO: OLD-38-58 (C-2)		SAMPLE ID: 07-71009/14:OLD-38-58 (C-2):3/12/09_12:			DATE: 03/12/2009		

PURGING DATA

WELL DIAMETER (inches):	0.38	TUBING DIAMETER (inches):	0.13	WELL SCREEN INTERVAL DEPTH (feet):	40-45	STATIC DEPTH TO WATER (feet):	0.00	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (46.00 feet - 0.00 feet) X 0.01 gallons/foot = 0.26 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.05 gallons+ (0.00 gallons/foot X47.00 feet)+ 0.07 gallons = 0.15 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	43.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	43.00	PURGING INITIATED AT:	12:15	PURGING ENDED AT:	12:30	TOTAL VOLUME PURGED (gallons):	1.40
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:20		0.50	0.00	6.62	-140.50	24.15	457.00	0.41	0.10	clear	sulfuric
12:23	-0.20	0.30	0.00	6.56	-141.10	24.17	466.00	0.04	0.10	clear	sulfuric
12:26	0.00	0.30	0.00	6.55	-142.70	24.20	465.00	0.02	0.10	clear	sulfuric
12:29	0.00	0.30	0.00	6.55	-149.10	24.25	465.00	0.02	0.10	clear	sulfuric

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): 0.02	TEMP.(°C): 24.25	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 464	pH: 6.55	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): -150.8	TURB(NTU): 0.1	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT:	12:30	SAMPLING ENDED AT:	12:45
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PUMP OR TUBING DEPTH IN WELL (feet):	43.00	SAMPLE PUMP FLOW RATE (mL per minute):	353.31	TUBING MATERIAL CODE:	PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTER SIZE: NA	DUPPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Filtration Equipment Type:			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES:**
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38				SITE LOCATION: Orlando			
WELL NO: OLD-38-59C		SAMPLE ID: 07-71009/14:OLD-38-59C:3/13/09_9:25_9:				DATE: 03/13/2009	

PURGING DATA

WELL DIAMETER (inches):	1.50	TUBING DIAMETER (inches):	0.13	WELL SCREEN INTERVAL DEPTH (feet):	35-40	STATIC DEPTH TO WATER (feet):	4.80	PURGE PUMP TYPE OR SAMPLER: Peristaltic			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) = (40.00 feet - 4.80 feet) X 0.09 gallons/foot = 3.23 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) =0.05 gallons+(0.00 gallons/foot X42.00 feet)+ 0.07 gallons = 0.14 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	38.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	38.00	PURGING INITIATED AT:	9:10	PURGING ENDED AT:	9:25	TOTAL VOLUME PURGED (gallons):	1.40		
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:15		0.50	4.90	5.99	-133.20	23.47	126.00	2.52	0.20	clear	organic
9:18	-0.20	0.30	4.90	5.92	-127.90	23.53	125.00	2.48	0.20	clear	organic
9:24	0.00	0.30	4.90	5.62	-118.80	23.69	122.00	1.37	0.10	clear	organic
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)			CHEMetrics Field Data(mg/L)		
DO(mg/L): 1.21	TEMP.(°C): 23.71	DO:		CO2:		DO High Range:	
SEC(uS/cm): 122	pH: 5.59	Alkalinity:		Ferrous Iron:		DO Low Range:	
ORP(mV): -117.	TURB(NTU): 0.1	H2S:		Maganese:		CO2 High Range:	
Salinity:		Sulfate:		Sulfide:		Alkalinity High Range:	
Nitrate:		Nitrato:		Alkalinity Low Range:			

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller	SAMPLER(S) SIGNATURES: <i>DWM</i>	SAMPLING INITIATED AT: 9:25	SAMPLING ENDED AT: 9:35				
PUMP OR TUBING DEPTH IN WELL (feet): 38.00	SAMPLE PUMP FLOW RATE (mL per minute): 353.31	TUBING MATERIAL CODE: PPE					
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTRATION EQUIPMENT TYPE: Filtration Equipment Type:	DUPPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)							
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump				EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other			

- NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-60C	SAMPLE ID: 07-71009/14:OLD-38-60C:3/13/09_10:37_ DATE: 03/13/2009

PURGING DATA

WELL DIAMETER (inches): 1.50	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH (feet): 30-35	STATIC DEPTH TO WATER (feet): 5.97	PURGE PUMP TYPE OR SAMPLER: Peristaltic
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WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (35.00 feet - 5.97 feet) X 0.09 gallons/foot = 2.66 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.00 gallons+(0.00 gallons/foot X35.00 feet)+ 0.15 gallons = 0.24 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	PURGING INITIATED AT: 10:23	PURGING ENDED AT: 10:37	TOTAL VOLUME PURGED (gallons): 1.70
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TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:27		0.50	5.98	4.74	69.00	24.35	185.20	0.02	2.50	clear	none
10:31	0.50	1.00	5.98	4.73	64.00	24.39	186.00	0.00	6.30	clear	none
10:36	0.60	1.60	5.98	4.73	59.00	24.42	186.20	0.03	2.10	clear	none

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): .03	TEMP.(°C): 24.41	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 186	pH: 4.73	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 58	TURB(NTU): 3.1	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: <i>Damian Allen</i>	SAMPLING INITIATED AT: 10:37	SAMPLING ENDED AT: 10:38
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PUMP OR TUBING DEPTH IN WELL (feet): 31.00	SAMPLE PUMP FLOW RATE (mL per minute): 459.66	TUBING MATERIAL CODE: PPE
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FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Filtration Equipment Type:	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
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SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38	SITE LOCATION: Orlando
WELL NO: OLD-38-61C	SAMPLE ID: 07-71009/14:OLD-38-61C:3/13/09_9:57_9; DATE: 03/13/2009

PURGING DATA

WELL DIAMETER (inches): 1.50	TUBING DIAMETER (inches): 0.13	WELL SCREEN INTERVAL DEPTH (feet): 30-35	STATIC DEPTH TO WATER (feet): 6.57	PURGE PUMP TYPE OR SAMPLER: Peristaltic
---------------------------------	-----------------------------------	---	---------------------------------------	--

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)
 = (35.00 feet - 6.57 feet) X 0.09 gallons/foot = 2.61 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 =0.00 gallons+(0.00 gallons/foot X35.00 feet)+ 0.15 gallons = 0.17 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31.00	PURGING INITIATED AT: 9:45	PURGING ENDED AT: 9:57	TOTAL VOLUME PURGED (gallons): 1.30
---	---	-------------------------------	---------------------------	--

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:49		0.40	6.57	5.73	2.00	24.11	185.90	0.03	0.70	yellow	organic
9:52	0.40	0.80	6.58	5.74	9.00	24.21	185.00	0.00	0.80	yellow	organic
9:56	0.40	1.20	6.58	5.74	14.00	24.30	186.30	0.04	0.70	yellow	organic

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)				CHEMetrics Field Data(mg/L)			
DO(mg/L): .09	TEMP.(°C): 24.32	DO:		CO2:		DO High Range:		DO Low Range:	
SEC(uS/cm): 185.9	pH: 5.74	Alkalinity:		Ferrous Iron:		CO2 High Range:		DO Low Range:	
ORP(mV): 15	TURB(NTU): 1.3	H2S:		Maganese:		Alkalinity High Range:		Alkalinity Low Range:	
Salinity:		Sulfate:		Sulfide:					
Nitrate:									

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Damian Allen	SAMPLER(S) SIGNATURES: <i>Damian Allen</i>	SAMPLING INITIATED AT: 9:57	SAMPLING ENDED AT: 9:58
---	--	-----------------------------------	-------------------------------

PUMP OR TUBING DEPTH IN WELL (feet): 31.00	SAMPLE PUMP FLOW RATE (mL per minute): 410.09	TUBING MATERIAL CODE: PPE
---	--	------------------------------

FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTRATION EQUIPMENT TYPE:	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
---	--	----------------------------	-----------------	---

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other

- NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)

pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2);
 optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38				SITE LOCATION: Orlando			
WELL NO: OLD-38-62D		SAMPLE ID: 07-71009/14:OLD-38-62D:3/13/09_10:5_1C				DATE: 03/13/2009	

PURGING DATA

WELL DIAMETER (inches):	1.50	TUBING DIAMETER (inches):	0.25	WELL SCREEN INTERVAL DEPTH (feet):	55-60	STATIC DEPTH TO WATER (feet):	6.00	PURGE PUMP TYPE OR SAMPLER: Peristaltic			
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable)											
= (60.00 feet - 6.00 feet) X 0.09 gallons/foot = 4.96 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):			FINAL PUMP OR TUBING DEPTH IN WELL (feet):			PURGING INITIATED AT:	9:50	PURGING ENDED AT:	10:05	TOTAL VOLUME PURGED (gallons):	1.40
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:55		0.50	6.10	5.47	-129.70	24.17	199.00	1.41	1.10	clear	organic
9:58	-0.20	0.30	6.10	5.44	-111.50	24.16	200.00	1.16	0.90	clear	organic
10:04	0.00	0.30	6.10	5.40	-88.60	24.26	206.00	0.50	0.30	clear	organic
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)			CHEMetrics Field Data(mg/L)		
DO(mg/L): 0.35	TEMP.(°C): 24.26	DO:		CO2:		DO High Range:	DO Low Range:
SEC(uS/cm): 206	pH: 5.4	Alkalinity:		Ferrous Iron:		CO2 High Range:	DO Low Range:
ORP(mV): -87.1	TURB(NTU): 0.1	H2S:		Maganese:		Alkalinity High Range:	Alkalinity Low Range:
Salinity:		Sulfate:		Sulfide:			
Nitrate:							

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 10:05	SAMPLING ENDED AT: 10:15					
PUMP OR TUBING DEPTH IN WELL (feet): 58.00		SAMPLE PUMP FLOW RATE (mL per minute): 353.31						
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTER SIZE: NA	DUPPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N					
Filtration Equipment Type:								
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)								
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump				EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other				

- NOTES:
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

GROUNDWATER SAMPLING LOG

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SITE NAME: Groundwater Sampling at SA38			SITE LOCATION: Orlando		
WELL NO: OLD-38-EB1		SAMPLE ID: 07-71009/14:OLD-38-EB1:3/13/09_10:30_	DATE:	03/13/2009	

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH (feet):	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR SAMPLER: Peristaltic							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) = (0.00 feet - feet) X 0.00 gallons/foot = 0.00 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (0.00 gallons/foot X 4.00 feet) + 0.00 gallons = 0.00 gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 10:30	PURGING ENDED AT: 10:30	TOTAL VOLUME PURGED (gallons): 0.00							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	DEPTH TO WATER (feet)	pH (standard units)	ORP	TEMP.(°C)	SEC (uS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

FIELD/TEST KIT

Final Purge Readings		Hach Field Data(mg/L)			CHEMetrics Field Data(mg/L)		
DO(mg/L):	TEMP.(°C):	DO:	CO2:	DO High Range:	DO Low Range:		
SEC(uS/cm):	pH:	Alkalinity:	Ferrous Iron:	CO2 High Range:	DO Low Range:		
ORP(mV):	TURB(NTU):	H2S:	Maganese:	Alkalinity High Range:	Alkalinity Low Range:		
Salinity:		Sulfate:	Sulfide:				
		Nitrate:					

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Darren Miller	SAMPLER(S) SIGNATURES: 	SAMPLING INITIATED AT: 10:30	SAMPLING ENDED AT: 10:30				
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): 0.00	TUBING MATERIAL CODE:					
FIELD DECONTAMINATION: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	FIELD-FILTERED: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	FILTER SIZE: NA	DUPLICATE: <input type="checkbox"/> Y <input checked="" type="checkbox"/> N				
Filtration Equipment Type:							
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD			SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	NO. OF CONTAIN.	MAT CODE	VOL	PRESERV USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)							
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other							

- NOTES:**
1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. Stabilization Criteria for range of variation of last three consecutive readings (see FS 2212, section 3)
- pH: + 0.2 units Temperature: + 0.2 oC Specific Conductance: + 5% Dissolved Oxygen: all readings < 20% saturation (see Table FS 2200-2); optionally, + 0.2 mg/L or + 10% (whichever is greater) Turbidity: all readings < 20 NTU; optionally + 5 NTU or + 10% (whichever is greater)

**SA38 Long Term Monitoring Report,
Enclosure 4, March Sampling Event,
Appendix B, Lab Reports
(Electronic Copies)**



03/30/09

Technical Report for

BFA Environmental Consultants

NTC Orlando, Orlando, FL

2008-10

Accutest Job Number: F63990

Sampling Date: 03/13/09



Report to:

**BFA Environmental Consultants
3655 Maguire Blvd Suite 150
Orlando, FL 32803
jwillis@bfaenvironmental.com**

ATTN: John Willis

Total number of pages in report: 38



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink that reads "Harry Behzadi".

**Harry Behzadi, Ph.D.
Laboratory Director**

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK
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Test results relate only to samples analyzed.



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Sample Summary

BFA Environmental Consultants

Job No: F63990

NTC Orlando, Orlando, FL

Project No: 2008-10

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F63990-1	03/13/09	09:35 DM	03/17/09	AQ	Ground Water	OLD-38-59C
F63990-2	03/13/09	10:45 DM	03/17/09	AQ	Ground Water	OLD-38-60C
F63990-3	03/13/09	10:00 DM	03/17/09	AQ	Ground Water	OLD-38-61C
F63990-4	03/13/09	10:15 DM	03/17/09	AQ	Ground Water	OLD-38-62D
F63990-5	03/13/09	10:30 DM	03/17/09	AQ	Equipment Blank	OLD-38-EB



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 3

Client Sample ID: OLD-38-59C
Lab Sample ID: F63990-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/13/09
Date Received: 03/17/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059157.D	10	03/26/09	AJ	n/a	n/a	VB2478
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	118	250	100	ug/l	I
107-02-8	Acrolein	50 U	200	50	ug/l	
107-13-1	Acrylonitrile	20 U	100	20	ug/l	
71-43-2	Benzene	463	10	4.0	ug/l	
108-86-1	Bromobenzene	2.6 U	10	2.6	ug/l	
74-97-5	Bromochloromethane	2.3 U	10	2.3	ug/l	
75-27-4	Bromodichloromethane	2.0 U	10	2.0	ug/l	
75-25-2	Bromoform	3.3 U	10	3.3	ug/l	
104-51-8	n-Butylbenzene	2.8 U	10	2.8	ug/l	
135-98-8	sec-Butylbenzene	2.5 U	10	2.5	ug/l	
98-06-6	tert-Butylbenzene	3.2 U	10	3.2	ug/l	
108-90-7	Chlorobenzene	2.2 U	10	2.2	ug/l	
75-00-3	Chloroethane	4.8 U	20	4.8	ug/l	
67-66-3	Chloroform	2.8 U	10	2.8	ug/l	
95-49-8	o-Chlorotoluene	2.5 U	10	2.5	ug/l	
106-43-4	p-Chlorotoluene	2.1 U	10	2.1	ug/l	
110-75-8	2-Chloroethyl vinyl ether	10 U	50	10	ug/l	
75-15-0	Carbon disulfide	4.0 U	20	4.0	ug/l	
56-23-5	Carbon tetrachloride	2.2 U	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	2.4 U	10	2.4	ug/l	
75-35-4	1,1-Dichloroethylene	5.4 U	10	5.4	ug/l	
563-58-6	1,1-Dichloropropene	2.3 U	10	2.3	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	3.2 U	20	3.2	ug/l	
106-93-4	1,2-Dibromoethane	2.8 U	10	2.8	ug/l	
107-06-2	1,2-Dichloroethane	3.4 U	10	3.4	ug/l	
78-87-5	1,2-Dichloropropane	2.1 U	10	2.1	ug/l	
142-28-9	1,3-Dichloropropane	2.6 U	10	2.6	ug/l	
594-20-7	2,2-Dichloropropane	2.8 U	10	2.8	ug/l	
124-48-1	Dibromochloromethane	2.0 U	10	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	10 U	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.0 U	10	2.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	2.1 U	10	2.1	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: OLD-38-59C**Lab Sample ID:** F63990-1**Date Sampled:** 03/13/09**Matrix:** AQ - Ground Water**Date Received:** 03/17/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	2.3 U	10	2.3	ug/l	
95-50-1	o-Dichlorobenzene	2.0 U	10	2.0	ug/l	
106-46-7	p-Dichlorobenzene	2.2 U	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethylene	4.5 U	10	4.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	2.1 U	10	2.1	ug/l	
100-41-4	Ethylbenzene	4.3 U	10	4.3	ug/l	
591-78-6	2-Hexanone	50 U	100	50	ug/l	
87-68-3	Hexachlorobutadiene	6.9 U	20	6.9	ug/l	
98-82-8	Isopropylbenzene	2.0 U	10	2.0	ug/l	
99-87-6	p-Isopropyltoluene	3.2 U	10	3.2	ug/l	
108-10-1	4-Methyl-2-pentanone	20 U	50	20	ug/l	
74-83-9	Methyl bromide	7.8 U	20	7.8	ug/l	
74-87-3	Methyl chloride	6.1 U	20	6.1	ug/l	
74-95-3	Methylene bromide	3.0 U	20	3.0	ug/l	
75-09-2	Methylene chloride ^a	48.7	50	10	ug/l	IV
78-93-3	Methyl ethyl ketone	20 U	50	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	35.2	10	2.6	ug/l	
91-20-3	Naphthalene	10 U	50	10	ug/l	
103-65-1	n-Propylbenzene	2.5 U	10	2.5	ug/l	
100-42-5	Styrene	3.6 U	10	3.6	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	2.0 U	10	2.0	ug/l	
71-55-6	1,1,1-Trichloroethane	3.3 U	10	3.3	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	2.1 U	10	2.1	ug/l	
79-00-5	1,1,2-Trichloroethane	2.6 U	10	2.6	ug/l	
87-61-6	1,2,3-Trichlorobenzene	5.0 U	10	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	3.4 U	20	3.4	ug/l	
120-82-1	1,2,4-Trichlorobenzene	5.0 U	10	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	2.2 U	20	2.2	ug/l	
108-67-8	1,3,5-Trimethylbenzene	2.0 U	20	2.0	ug/l	
127-18-4	Tetrachloroethylene	2.2 U	10	2.2	ug/l	
108-88-3	Toluene	3.5 U	10	3.5	ug/l	
79-01-6	Trichloroethylene	3.2 U	10	3.2	ug/l	
75-69-4	Trichlorofluoromethane	5.0 U	20	5.0	ug/l	
75-01-4	Vinyl chloride	3.0 U	10	3.0	ug/l	
108-05-4	Vinyl Acetate	36 U	100	36	ug/l	
	m,p-Xylene	7.8 U	20	7.8	ug/l	
95-47-6	o-Xylene	3.7 U	10	3.7	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	OLD-38-59C	Date Sampled:	03/13/09
Lab Sample ID:	F63990-1	Date Received:	03/17/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	107%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-60C
Lab Sample ID: F63990-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/13/09
Date Received: 03/17/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059145.D	1	03/26/09	AJ	n/a	n/a	VB2478
Run #2							

Purge Volume
Run #1 5.0 ml
Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-60C**Lab Sample ID:** F63990-2**Date Sampled:** 03/13/09**Matrix:** AQ - Ground Water**Date Received:** 03/17/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride ^a	3.9	5.0	1.0	ug/l	IV
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-60C**Lab Sample ID:** F63990-2**Date Sampled:** 03/13/09**Matrix:** AQ - Ground Water**Date Received:** 03/17/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	109%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	106%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID: OLD-38-61C
Lab Sample ID: F63990-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/13/09
Date Received: 03/17/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B059146.D	1	03/26/09	AJ	n/a	n/a	VB2478
Run #2							

Purge Volume
Run #1 5.0 ml
Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-61C**Lab Sample ID:** F63990-3**Date Sampled:** 03/13/09**Matrix:** AQ - Ground Water**Date Received:** 03/17/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride ^b	3.5	5.0	1.0	ug/l	IV
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID: OLD-38-61C**Lab Sample ID:** F63990-3**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/13/09**Date Received:** 03/17/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	111%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

(a) Sample was treated with an anti-foaming agent.

(b) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-62D
Lab Sample ID: F63990-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/13/09
Date Received: 03/17/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059147.D	1	03/26/09	AJ	n/a	n/a	VB2478
Run #2							

Purge Volume
Run #1 5.0 ml
Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	8.6	20	5.0	ug/l	I
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	2.0	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-62D**Lab Sample ID:** F63990-4**Date Sampled:** 03/13/09**Matrix:** AQ - Ground Water**Date Received:** 03/17/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.46	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride ^a	4.1	5.0	1.0	ug/l	IV
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 3 of 3

Client Sample ID:	OLD-38-62D	Date Sampled:	03/13/09
Lab Sample ID:	F63990-4	Date Received:	03/17/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	104%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: OLD-38-EB
Lab Sample ID: F63990-5
Matrix: AQ - Equipment Blank
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/13/09
Date Received: 03/17/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B059148.D	1	03/26/09	AJ	n/a	n/a	VB2478
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	12.2	25	10	ug/l	I
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: OLD-38-EB**Lab Sample ID:** F63990-5**Matrix:** AQ - Equipment Blank**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/13/09**Date Received:** 03/17/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride ^a	3.9	5.0	1.0	ug/l	IV
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 3 of 3

Client Sample ID: OLD-38-EB**Lab Sample ID:** F63990-5**Matrix:** AQ - Equipment Blank**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/13/09**Date Received:** 03/17/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		87-116%
17060-07-0	1,2-Dichloroethane-D4	110%		76-127%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	108%		84-120%

(a) Suspected laboratory contaminant.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID: OLD-38-EB**Lab Sample ID:** F63990-5**Matrix:** AQ - Equipment Blank**Method:** FLORIDA-PRO SW846 3510C**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/13/09**Date Received:** 03/17/09**Percent Solids:** n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ56314.D	1	03/24/09	SL	03/20/09	OP28426	GIJ1963
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.175	0.24	0.16	mg/l	I

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



Accutest Laboratories Southeast Chain of Custody

4405 Vineland Road, Suite C-15 Orlando, FL 32811
TEL. 407-425-6700 • FAX: 407-425-0707
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Accutest JOB # H-57 PAGE 1 OF 1
Accutest Quote # SKIFF#

Accutest Quote # SKIFF#

F63990: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F63990DATE/TIME RECEIVED: 3/17/01 3:00METHOD OF DELIVERY: FEDEX UPS

AIRBILL NUMBERS: _____

CLIENT: BFA PROJECT: NTC-Orlando# OF COOLERS RECEIVED: 2 COOLER TEMPS: 2.0 2.2ACCUTEST COURIER GREYHOUND DELIVERY OTHER**COOLER INFORMATION**

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATIONNUMBER OF ENCORES ? 0NUMBER OF 5035 FIELD KITS ? 0NUMBER OF LAB FILTERED METALS ? 0SUMMARY OF COMMENTS: Sample 5 COC has ID as ID-38-EB bottles justSay equipment blank & times/dates are correctTECHNICIAN SIGNATURE/DATE CLR 3/17/01

TECHNICIAN SIGNATURE/DATE

E-T. 3/17/01

ASBD 12/17/07

SAMPLE INFORMATION

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

F63990: Chain of Custody**Page 2 of 2**



GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-MB	B059135.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	

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Method Blank Summary

Page 2 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-MB	B059135.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.2	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	1.0	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

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Method Blank Summary

Page 3 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-MB	B059135.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	106% 87-116%
17060-07-0	1,2-Dichloroethane-D4	109% 76-127%
2037-26-5	Toluene-D8	107% 86-112%
460-00-4	4-Bromofluorobenzene	110% 84-120%

Blank Spike Summary

Page 1 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-BS	B059134.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	77.5	62	59-134
107-02-8	Acrolein	125	150	120	33-157
107-13-1	Acrylonitrile	125	148	118	62-124
71-43-2	Benzene	25	28.3	113	83-124
108-86-1	Bromobenzene	25	25.6	102	83-115
74-97-5	Bromochloromethane	25	23.0	92	78-112
75-27-4	Bromodichloromethane	25	25.1	100	76-116
75-25-2	Bromoform	25	20.7	83	68-128
104-51-8	n-Butylbenzene	25	29.1	116	84-124
135-98-8	sec-Butylbenzene	25	28.8	115	86-127
98-06-6	tert-Butylbenzene	25	28.4	114	83-126
108-90-7	Chlorobenzene	25	27.4	110	87-115
75-00-3	Chloroethane	25	22.4	90	54-166
67-66-3	Chloroform	25	28.2	113	85-123
95-49-8	o-Chlorotoluene	25	28.2	113	84-121
106-43-4	p-Chlorotoluene	25	27.5	110	84-120
110-75-8	2-Chloroethyl vinyl ether	125	91.4	73	63-125
75-15-0	Carbon disulfide	25	29.7	119	67-147
56-23-5	Carbon tetrachloride	25	28.0	112	74-139
75-34-3	1,1-Dichloroethane	25	29.9	120	82-127
75-35-4	1,1-Dichloroethylene	25	26.3	105	75-133
563-58-6	1,1-Dichloropropene	25	29.6	118	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	24.3	97	61-118
106-93-4	1,2-Dibromoethane	25	25.9	104	80-115
107-06-2	1,2-Dichloroethane	25	26.9	108	76-122
78-87-5	1,2-Dichloropropane	25	27.1	108	81-120
142-28-9	1,3-Dichloropropane	25	27.3	109	81-113
594-20-7	2,2-Dichloropropane	25	30.4	122	77-138
124-48-1	Dibromochloromethane	25	25.8	103	74-116
75-71-8	Dichlorodifluoromethane	25	14.1	56	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.9	104	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.2	109	83-119
541-73-1	m-Dichlorobenzene	25	26.8	107	86-115
95-50-1	o-Dichlorobenzene	25	26.1	104	85-115
106-46-7	p-Dichlorobenzene	25	25.8	103	87-113
156-60-5	trans-1,2-Dichloroethylene	25	30.2	121	82-126

Blank Spike Summary

Page 2 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-BS	B059134.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	30.1	120	87-123
100-41-4	Ethylbenzene	25	28.4	114	87-118
591-78-6	2-Hexanone	125	126	101	58-125
87-68-3	Hexachlorobutadiene	25	24.5	98	71-133
98-82-8	Isopropylbenzene	25	28.3	113	87-131
99-87-6	p-Isopropyltoluene	25	27.5	110	83-125
108-10-1	4-Methyl-2-pentanone	125	133	106	62-125
74-83-9	Methyl bromide	25	23.7	95	55-151
74-87-3	Methyl chloride	25	24.7	99	55-173
74-95-3	Methylene bromide	25	26.4	106	81-116
75-09-2	Methylene chloride	25	29.2	117	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	21.3	85	75-116
91-20-3	Naphthalene	25	25.4	102	59-125
103-65-1	n-Propylbenzene	25	29.0	116	86-125
100-42-5	Styrene	25	27.0	108	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	25.2	101	81-119
71-55-6	1,1,1-Trichloroethane	25	28.5	114	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	26.6	106	71-120
79-00-5	1,1,2-Trichloroethane	25	27.3	109	80-114
87-61-6	1,2,3-Trichlorobenzene	25	22.6	90	64-126
96-18-4	1,2,3-Trichloropropane	25	23.3	93	77-115
120-82-1	1,2,4-Trichlorobenzene	25	22.2	89	68-123
95-63-6	1,2,4-Trimethylbenzene	25	26.5	106	82-120
108-67-8	1,3,5-Trimethylbenzene	25	27.5	110	83-123
127-18-4	Tetrachloroethylene	25	26.6	106	80-131
108-88-3	Toluene	25	29.1	116	86-116
79-01-6	Trichloroethylene	25	26.7	107	85-124
75-69-4	Trichlorofluoromethane	25	27.2	109	66-156
75-01-4	Vinyl chloride	25	21.5	86	57-153
108-05-4	Vinyl Acetate	125	161	129	38-159
	m,p-Xylene	50	57.5	115	86-121
95-47-6	o-Xylene	25	27.3	109	83-121

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Blank Spike Summary

Page 3 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB2478-BS	B059134.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	104%	87-116%
17060-07-0	1,2-Dichloroethane-D4	112%	76-127%
2037-26-5	Toluene-D8	106%	86-112%
460-00-4	4-Bromofluorobenzene	102%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63982-1MS	B059149.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1MSD	B059150.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1	B059140.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Compound	F63982-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	92.0	74	89.9	72	2	59-134/14
107-02-8	Acrolein	ND		125	104	83	107	86	3	33-157/21
107-13-1	Acrylonitrile	ND		125	155	124	156	125*	1	62-124/13
71-43-2	Benzene	ND		25	26.6	106	25.0	100	6	83-124/11
108-86-1	Bromobenzene	ND		25	24.1	96	22.7	91	6	83-115/10
74-97-5	Bromochloromethane	ND		25	21.9	88	20.9	84	5	78-112/10
75-27-4	Bromodichloromethane	ND		25	23.2	93	22.5	90	3	76-116/10
75-25-2	Bromoform	ND		25	20.5	82	20.4	82	0	68-128/11
104-51-8	n-Butylbenzene	ND		25	26.1	104	25.2	101	4	84-124/10
135-98-8	sec-Butylbenzene	ND		25	26.1	104	24.6	98	6	86-127/10
98-06-6	tert-Butylbenzene	ND		25	26.2	105	24.7	99	6	83-126/10
108-90-7	Chlorobenzene	ND		25	25.2	101	24.6	98	2	87-115/9
75-00-3	Chloroethane	ND		25	20.3	81	20.3	81	0	54-166/20
67-66-3	Chloroform	ND		25	26.3	105	25.2	101	4	85-123/10
95-49-8	o-Chlorotoluene	ND		25	26.4	106	24.9	100	6	84-121/10
106-43-4	p-Chlorotoluene	ND		25	25.1	100	24.2	97	4	84-120/10
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	ND		25	27.7	111	25.7	103	7	67-147/12
56-23-5	Carbon tetrachloride	ND		25	25.8	103	24.5	98	5	74-139/13
75-34-3	1,1-Dichloroethane	ND		25	28.1	112	26.6	106	5	82-127/10
75-35-4	1,1-Dichloroethylene	ND		25	30.8	123	29.0	116	6	75-133/13
563-58-6	1,1-Dichloropropene	ND		25	27.4	110	26.1	104	5	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	25.4	102	25.3	101	0	61-118/15
106-93-4	1,2-Dibromoethane	ND		25	25.3	101	25.4	102	0	80-115/10
107-06-2	1,2-Dichloroethane	ND		25	25.7	103	24.4	98	5	76-122/11
78-87-5	1,2-Dichloropropane	ND		25	25.7	103	24.7	99	4	81-120/11
142-28-9	1,3-Dichloropropane	ND		25	26.7	107	26.3	105	2	81-113/11
594-20-7	2,2-Dichloropropane	ND		25	28.1	112	26.9	108	4	77-138/12
124-48-1	Dibromochloromethane	ND		25	24.5	98	24.1	96	2	74-116/11
75-71-8	Dichlorodifluoromethane	ND		25	16.5	66	15.9	64	4	34-158/22
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.3	97	23.2	93	5	81-114/10
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.9	100	24.5	98	2	83-119/10
541-73-1	m-Dichlorobenzene	ND		25	24.7	99	23.5	94	5	86-115/9
95-50-1	o-Dichlorobenzene	ND		25	24.4	98	23.2	93	5	85-115/9
106-46-7	p-Dichlorobenzene	ND		25	23.8	95	22.5	90	6	87-113/10
156-60-5	trans-1,2-Dichloroethylene	ND		25	27.9	112	26.4	106	6	82-126/10

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63982-1MS	B059149.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1MSD	B059150.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1	B059140.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Compound	F63982-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND	25	27.7	111	27.6	110	0	87-123/10	
100-41-4	Ethylbenzene	ND	25	26.0	104	25.4	102	2	87-118/10	
591-78-6	2-Hexanone	ND	125	152	122	155	124	2	58-125/14	
87-68-3	Hexachlorobutadiene	ND	25	19.8	79	18.7	75	6	71-133/12	
98-82-8	Isopropylbenzene	ND	25	26.1	104	24.5	98	6	87-131/10	
99-87-6	p-Isopropyltoluene	ND	25	24.7	99	23.6	94	5	83-125/9	
108-10-1	4-Methyl-2-pentanone	ND	125	167	134*	165	132*	1	62-125/13	
74-83-9	Methyl bromide	ND	25	21.7	87	21.4	86	1	55-151/21	
74-87-3	Methyl chloride	ND	25	23.9	96	23.9	96	0	55-173/22	
74-95-3	Methylene bromide	ND	25	26.0	104	24.9	100	4	81-116/10	
75-09-2	Methylene chloride	ND	25	29.8	119	28.1	112	6	69-125/11	
78-93-3	Methyl ethyl ketone	ND	125	112	90	109	87	3	61-127/13	
1634-04-4	Methyl Tert Butyl Ether	ND	25	22.7	91	22.2	89	2	75-116/10	
91-20-3	Naphthalene	ND	25	22.3	89	22.4	90	0	59-125/15	
103-65-1	n-Propylbenzene	ND	25	26.9	108	25.7	103	5	86-125/10	
100-42-5	Styrene	ND	25	24.6	98	23.9	96	3	78-118/11	
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	23.8	95	22.8	91	4	81-119/10	
71-55-6	1,1,1-Trichloroethane	ND	25	26.8	107	25.2	101	6	79-133/11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	28.3	113	27.2	109	4	71-120/11	
79-00-5	1,1,2-Trichloroethane	ND	25	26.7	107	26.0	104	3	80-114/11	
87-61-6	1,2,3-Trichlorobenzene	ND	25	16.4	66	16.0	64	2	64-126/16	
96-18-4	1,2,3-Trichloropropane	ND	25	25.2	101	24.3	97	4	77-115/12	
120-82-1	1,2,4-Trichlorobenzene	ND	25	19.3	77	18.7	75	3	68-123/11	
95-63-6	1,2,4-Trimethylbenzene	ND	25	24.3	97	23.6	94	3	82-120/10	
108-67-8	1,3,5-Trimethylbenzene	ND	25	25.2	101	24.0	96	5	83-123/10	
127-18-4	Tetrachloroethylene	ND	25	24.3	97	23.1	92	5	80-131/12	
108-88-3	Toluene	ND	25	26.8	107	25.9	104	3	86-116/10	
79-01-6	Trichloroethylene	ND	25	24.6	98	23.4	94	5	85-124/10	
75-69-4	Trichlorofluoromethane	ND	25	26.3	105	24.9	100	5	66-156/15	
75-01-4	Vinyl chloride	ND	25	20.1	80	20.2	81	0	57-153/22	
108-05-4	Vinyl Acetate	ND	125	166	133	160	128	4	38-159/11	
	m,p-Xylene	ND	50	53.0	106	51.2	102	3	86-121/10	
95-47-6	o-Xylene	ND	25	25.0	100	24.3	97	3	83-121/10	

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63982-1MS	B059149.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1MSD	B059150.D	1	03/26/09	AJ	n/a	n/a	VB2478
F63982-1	B059140.D	1	03/26/09	AJ	n/a	n/a	VB2478

The QC reported here applies to the following samples:

Method: SW846 8260B

F63990-1, F63990-2, F63990-3, F63990-4, F63990-5

CAS No.	Surrogate Recoveries	MS	MSD	F63982-1	Limits
1868-53-7	Dibromofluoromethane	105%	104%	106%	87-116%
17060-07-0	1,2-Dichloroethane-D4	114%	114%	111%	76-127%
2037-26-5	Toluene-D8	105%	106%	104%	86-112%
460-00-4	4-Bromofluorobenzene	102%	101%	106%	84-120%



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-MB	IJ56254.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63990-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	102% 38-122%

Method Blank Summary

Page 1 of 1

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-MB	IJ56307.D	1	03/24/09	SL	03/20/09	OP28426	GIJ1963

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63990-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	100% 38-122%

Blank Spike Summary

Page 1 of 1

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-BS	IJ56253.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63990-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C8-C40)	0.85	0.677	80	54-110

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	38-122%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F63990

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-MS	IJ56258.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962
OP28426-MSD	IJ56259.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962
F63939-2	IJ56257.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63990-5

CAS No.	Compound	F63939-2		Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
		mg/l	Q							
	TPH (C8-C40)	0.24	U	1.63	1.44	88	1.40	86	3	54-110/28

CAS No.	Surrogate Recoveries	MS	MSD	F63939-2	Limits
84-15-1	o-Terphenyl	93%	92%	75%	38-122%



04/02/09



Technical Report for

BFA Environmental Consultants

NTC Orlando, Orlando, FL

2008-10

Accutest Job Number: F63933

Sampling Date: 03/12/09

Report to:

BFA Environmental Consultants
3655 Maguire Blvd Suite 150
Orlando, FL 32803
jwillis@bfaenvironmental.com

ATTN: John Willis

Total number of pages in report: **91**



Test results contained within this data package meet the requirements
of the National Environmental Laboratory Accreditation Conference
and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Jean Dent-Smith 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK
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Test results relate only to samples analyzed.



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Sample Summary

BFA Environmental Consultants

Job No: F63933

NTC Orlando, Orlando, FL
Project No: 2008-10

Sample Number	Collected Date	Time By	Matrix Received	Code Type	Client Sample ID	
F63933-1	03/12/09	10:30 DM	03/13/09	AQ	Ground Water	OLD-38-49D
F63933-2	03/12/09	10:40 DM	03/13/09	AQ	Ground Water	OLD-38-50C
F63933-3	03/12/09	11:30 DM	03/13/09	AQ	Ground Water	OLD-38-51D
F63933-4	03/12/09	12:30 DM	03/13/09	AQ	Ground Water	OLD-38-52C
F63933-5	03/12/09	13:05 DM	03/13/09	AQ	Ground Water	OLD-38-53D
F63933-6	03/12/09	14:20 DM	03/13/09	AQ	Ground Water	OLD-38-54C
F63933-7	03/12/09	15:20 DM	03/13/09	AQ	Ground Water	OLD-38-55D
F63933-8	03/12/09	14:45 DM	03/13/09	AQ	Ground Water	OLD-38-56C
F63933-9	03/12/09	11:25 DM	03/13/09	AQ	Ground Water	OLD-38-58C-1
F63933-10	03/12/09	12:45 DM	03/13/09	AQ	Ground Water	OLD-38-58C-2
F63933-11	03/12/09	13:30 DM	03/13/09	AQ	Ground Water	OLD-38-DUP



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Section 2

2

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: OLD-38-49D
Lab Sample ID: F63933-1
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061923.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	OLD-38-49D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-1	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.38	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID: OLD-38-49D**Lab Sample ID:** F63933-1**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		87-116%
17060-07-0	1,2-Dichloroethane-D4	97%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-49D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-1	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86080.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-50C
Lab Sample ID: F63933-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061934.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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2.2

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Client Sample ID: OLD-38-50C
Lab Sample ID: F63933-2
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.34	1.0	0.26	ug/l	I
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-50C**Lab Sample ID:** F63933-2**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-50C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-2	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86081.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-51D
Lab Sample ID: F63933-3
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061925.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

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V = Indicates analyte found in associated method blank

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Report of Analysis

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Client Sample ID: OLD-38-51D**Lab Sample ID:** F63933-3**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.56	1.0	0.43	ug/l	I
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.21	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.53	1.0	0.26	ug/l	I
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

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Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-51D**Lab Sample ID:** F63933-3**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		87-116%
17060-07-0	1,2-Dichloroethane-D4	96%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	97%		84-120%

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Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-51D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-3	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86082.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		38-122%

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Report of Analysis

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Client Sample ID: OLD-38-52C
Lab Sample ID: F63933-4
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061926.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

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Report of Analysis

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Client Sample ID:	OLD-38-52C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-4	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

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Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-52C**Lab Sample ID:** F63933-4**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	93%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	98%		84-120%

U = Not detected MDL - Method Detection Limit

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Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID: OLD-38-52C**Lab Sample ID:** F63933-4**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** FLORIDA-PRO SW846 3510C**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86083.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	77%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	OLD-38-53D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-5	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061927.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromoform	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

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RL = Reporting Limit = PQL

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Report of Analysis

Page 2 of 3

Client Sample ID: OLD-38-53D**Lab Sample ID:** F63933-5**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-53D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-5	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	92%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-53D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-5	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86084.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	63%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-54C**Lab Sample ID:** F63933-6**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061928.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.29	1.0	0.20	ug/l	I
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

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L = Indicates value exceeds calibration range

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Report of Analysis

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Client Sample ID:	OLD-38-54C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-6	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.86	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.4	1.0	0.26	ug/l	
91-20-3	Naphthalene	2.9	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.86	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.54	1.0	0.32	ug/l	I
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

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N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-54C**Lab Sample ID:** F63933-6**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-54C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-6	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	RSKSOP-147/175		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY037294.D	1	03/18/09	CW	n/a	n/a	GXY1528
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	292	0.50	0.16	ug/l	

U = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-54C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-6	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86085.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	58%		38-122%

U = Not detected MDL - Method Detection Limit
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Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-54C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-6	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	NTC Orlando, Orlando, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 14:23	CC	EPA 300/SW846 9056
Nitrogen, Nitrite ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 14:23	CC	EPA 300/SW846 9056
Sulfate	15.9	2.0	1.0	mg/l	1	03/14/09 14:23	CC	EPA 300/SW846 9056

(a) Sample was prepped within 48 hours of collection, but analyzed beyond hold time.

RL = Reporting Limit = PQL
 MDL = Method Detection Limit

U = Indicates a result < MDL
 I = Indicates a result > = MDL but < RL

Report of Analysis

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Client Sample ID: OLD-38-55D
Lab Sample ID: F63933-7
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061929.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.85	1.0	0.40	ug/l	I
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	3.5	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	1.7	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: OLD-38-55D**Lab Sample ID:** F63933-7**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.6	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.96	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	57.9	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	2.6	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.52	2.0	0.22	ug/l	I
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-55D**Lab Sample ID:** F63933-7**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-55D	Date Sampled:	03/12/09
Lab Sample ID:	F63933-7	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86086.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.362	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	59%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-56C
Lab Sample ID: F63933-8
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061935.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume	
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.25	1.0	0.20	ug/l	I
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: OLD-38-56C**Lab Sample ID:** F63933-8**Matrix:** AQ - Ground Water**Method:** SW846 8260B**Project:** NTC Orlando, Orlando, FL**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.31	1.0	0.26	ug/l	I
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-56C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-8	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	95%		84-120%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID: OLD-38-56C**Lab Sample ID:** F63933-8**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** RSKSOP-147/175**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY037295.D	1	03/18/09	CW	n/a	n/a	GXY1528
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	90.1	0.50	0.16	ug/l	

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	OLD-38-56C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-8	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86129.D	1	03/23/09	SL	03/19/09	OP28415	GOP2237
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID:	OLD-38-56C	Date Sampled:	03/12/09
Lab Sample ID:	F63933-8	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	NTC Orlando, Orlando, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 15:16	CC	EPA 300/SW846 9056
Nitrogen, Nitrite ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 15:16	CC	EPA 300/SW846 9056
Sulfate	22.6	2.0	1.0	mg/l	1	03/14/09 15:16	CC	EPA 300/SW846 9056

(a) Sample was prepped within 48 hours of collection, but analyzed beyond hold time.

RL = Reporting Limit = PQL
 MDL = Method Detection Limit

U = Indicates a result < MDL
 I = Indicates a result > = MDL but < RL

Report of Analysis

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Client Sample ID: OLD-38-58C-1
Lab Sample ID: F63933-9
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C061930.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID: OLD-38-58C-1**Lab Sample ID:** F63933-9**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-58C-1	Date Sampled:	03/12/09
Lab Sample ID:	F63933-9	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		87-116%
17060-07-0	1,2-Dichloroethane-D4	91%		76-127%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	96%		84-120%

(a) Sample was treated with an anti-foaming agent.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-58C-1**Lab Sample ID:** F63933-9**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** RSKSOP-147/175**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY037312.D	5	03/19/09	CW	n/a	n/a	GXY1529
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	2590	2.5	0.80	ug/l	

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID:	OLD-38-58C-1	Date Sampled:	03/12/09
Lab Sample ID:	F63933-9	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86090.D	1	03/21/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		38-122%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-58C-1**Lab Sample ID:** F63933-9**Matrix:** AQ - Ground Water**Date Sampled:** 03/12/09**Date Received:** 03/13/09**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**General Chemistry**

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 15:33	CC	EPA 300/SW846 9056
Nitrogen, Nitrite ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 15:33	CC	EPA 300/SW846 9056
Sulfate	17.1	2.0	1.0	mg/l	1	03/14/09 15:33	CC	EPA 300/SW846 9056

(a) Sample was prepped within 48 hours of collection, but analyzed beyond hold time.

RL = Reporting Limit = PQL
 MDL = Method Detection Limit

U = Indicates a result < MDL
 I = Indicates a result > = MDL but < RL

Accutest Laboratories

Report of Analysis

Page 1 of 3

Client Sample ID: OLD-38-58C-2**Lab Sample ID:** F63933-10**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061936.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume

Run #1 5.0 ml

Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	26.0	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 2 of 3

Client Sample ID: OLD-38-58C-2**Lab Sample ID:** F63933-10**Date Sampled:** 03/12/09**Matrix:** AQ - Ground Water**Date Received:** 03/13/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** NTC Orlando, Orlando, FL**VOA 8260 List**

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	6.7	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.76	1.0	0.20	ug/l	I
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	9.6	1.0	0.26	ug/l	
91-20-3	Naphthalene	2.6	5.0	1.0	ug/l	I
103-65-1	n-Propylbenzene	2.1	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

I = Result > = MDL but < RL J = Estimated value

RL = Reporting Limit = PQL

V = Indicates analyte found in associated method blank

L = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

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Client Sample ID: OLD-38-58C-2
Lab Sample ID: F63933-10
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		87-116%
17060-07-0	1,2-Dichloroethane-D4	88%		76-127%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	94%		84-120%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-58C-2	Date Sampled:	03/12/09
Lab Sample ID:	F63933-10	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	RSKSOP-147/175		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XY037313.D	2	03/19/09	CW	n/a	n/a	GXY1529
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	1270	1.0	0.32	ug/l	

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

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Client Sample ID: OLD-38-58C-2
Lab Sample ID: F63933-10
Matrix: AQ - Ground Water
Method: FLORIDA-PRO SW846 3510C
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP86091.D	1	03/21/09	SL	03/19/09	OP28415	GOP2236
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
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TPH (C8-C40)	0.16 U	0.24	0.16	mg/l
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CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
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84-15-1	o-Terphenyl	77%		38-122%
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U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
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I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-58C-2	Date Sampled:	03/12/09
Lab Sample ID:	F63933-10	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	NTC Orlando, Orlando, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Nitrogen, Nitrate ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 15:51	CC	EPA 300/SW846 9056
Nitrogen, Nitrite ^a	0.050 U	0.10	0.050	mg/l	1	03/14/09 15:51	CC	EPA 300/SW846 9056
Sulfate	8.5	2.0	1.0	mg/l	1	03/14/09 15:51	CC	EPA 300/SW846 9056

(a) Sample was prepped within 48 hours of collection, but analyzed beyond hold time.

RL = Reporting Limit = PQL
 MDL = Method Detection Limit

U = Indicates a result < MDL
 I = Indicates a result > = MDL but < RL

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Report of Analysis

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Client Sample ID: OLD-38-DUP
Lab Sample ID: F63933-11
Matrix: AQ - Ground Water
Method: SW846 8260B
Project: NTC Orlando, Orlando, FL

Date Sampled: 03/12/09
Date Received: 03/13/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C061937.D	1	03/26/09	AJ	n/a	n/a	VC2500
Run #2							

Purge Volume
Run #1 5.0 ml
Run #2

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10 U	25	10	ug/l	
107-02-8	Acrolein	5.0 U	20	5.0	ug/l	
107-13-1	Acrylonitrile	2.0 U	10	2.0	ug/l	
71-43-2	Benzene	0.40 U	1.0	0.40	ug/l	
108-86-1	Bromobenzene	0.26 U	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	0.23 U	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	0.20 U	1.0	0.20	ug/l	
75-25-2	Bromoform	0.33 U	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	0.28 U	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	0.25 U	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	0.32 U	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	0.22 U	1.0	0.22	ug/l	
75-00-3	Chloroethane	0.48 U	2.0	0.48	ug/l	
67-66-3	Chloroform	0.28 U	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	0.25 U	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	0.21 U	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	1.0 U	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	0.40 U	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	0.22 U	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	0.24 U	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	0.54 U	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	0.23 U	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.32 U	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	0.28 U	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	0.34 U	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	0.21 U	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	0.26 U	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	0.28 U	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	0.20 U	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	1.0 U	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.20 U	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 2 of 3

Client Sample ID:	OLD-38-DUP	Date Sampled:	03/12/09
Lab Sample ID:	F63933-11	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	0.23 U	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	0.20 U	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	0.22 U	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.45 U	1.0	0.45	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.21 U	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.43 U	1.0	0.43	ug/l	
591-78-6	2-Hexanone	5.0 U	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.69 U	2.0	0.69	ug/l	
98-82-8	Isopropylbenzene	0.20 U	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	0.32 U	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	2.0 U	5.0	2.0	ug/l	
74-83-9	Methyl bromide	0.78 U	2.0	0.78	ug/l	
74-87-3	Methyl chloride	0.61 U	2.0	0.61	ug/l	
74-95-3	Methylene bromide	0.30 U	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
78-93-3	Methyl ethyl ketone	2.0 U	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.26 U	1.0	0.26	ug/l	
91-20-3	Naphthalene	1.0 U	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.25 U	1.0	0.25	ug/l	
100-42-5	Styrene	0.36 U	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.20 U	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	0.33 U	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.21 U	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	0.26 U	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	0.34 U	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.22 U	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	0.20 U	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.22 U	1.0	0.22	ug/l	
108-88-3	Toluene	0.35 U	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	0.32 U	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.30 U	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	3.6 U	10	3.6	ug/l	
	m,p-Xylene	0.78 U	2.0	0.78	ug/l	
95-47-6	o-Xylene	0.37 U	1.0	0.37	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit = PQL

L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Page 3 of 3

Client Sample ID:	OLD-38-DUP	Date Sampled:	03/12/09
Lab Sample ID:	F63933-11	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando, Orlando, FL		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		87-116%
17060-07-0	1,2-Dichloroethane-D4	90%		76-127%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	93%		84-120%

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Report of Analysis

Page 1 of 1

Client Sample ID:	OLD-38-DUP	Date Sampled:	03/12/09
Lab Sample ID:	F63933-11	Date Received:	03/13/09
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	FLORIDA-PRO SW846 3510C		
Project:	NTC Orlando, Orlando, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	IJ56255.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	0.16 U	0.24	0.16	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		38-122%

(a) Sample extracted beyond hold time.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



Accutest Laboratories Southeast Chain of Custody

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TEL. 407-425-6700 • FAX: 407-425-0707
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Accutest JOB # **F63933** PAGE 1 OF 1

Accutest Quote # **F63933** SKIP #

Client / Reporting Information		Project Information		Analytical Information		Matrix Codes												
Company Name BPA	Project Name: NTC - ORLANDO	Street	City	State		DW - Drinking Water												
Address 3655 MAGUIRE RD.						GW - Ground Water												
City ORLANDO State FL Zip 32803						WW - Water												
Project Contact JOHN WELLS E-mail	Project # 2008-10					SW - Surface Water												
Phone 407-896-8608	Fax #					SO - Soil												
Sampler(s) Name DAVID MILLER/EDWARD JONES	Client Purchase Order #					SL - Sludge												
						CI - Oil												
						LQ - Low Liquid												
						AIR - Air												
						SOL - Other Solid												
						WP - Wipe												
LAB USE ONLY																		
Accutest Sample #	Field ID / Point of Collection	COLLECTION				CONTAINER INFORMATION												
		DATE	TIME	SAMPLED BY	MATRIX	TOTAL # BOTTLES	OTHER	ONE	2	3	4	5	6	7	8	9	10	11
1	OLD-38-49D	3/12/09	1030	DM GW	5		X	X										
2	OLD-38-50C		1040	DA GW	5		X	X										
3	OLD-38-51D		1130	DA GW	5		X	X										
4	OLD-38-52C		1230	DA GW	5		X	X										
5	OLD-38-53D		1305	DA GW	5		X	X										
6	OLD-38-54C		1420	DM GW	10		X	X	X	X	X							
7	OLD-38-55D		1520	DM GW	5		X	X										
8	OLD-38-56C		1445	DA GW	10		X	X	X	X	X							
9	OLD-38-58C-1		1125	DM GW	10		X	X	X	X	X							
10	OLD-38-58C-2		1245	DM GW	10		X	X	X	X	X							
11	OLD-38-DUP		1330	DA WW	5		X	X										
TURNAROUND TIME (Business Days)		Data Deliverable Information								Comments / Remarks								
Approved By: Rush Code		<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input type="checkbox"/> FULT1 (EPA LEVEL 4) <input checked="" type="checkbox"/> EDD'S																
Emergency or Rush T/A Data Available VIA Email or Lablink																		
Sample Custody must be documented below each time samples change possession, including courier delivery.																		
Relinquished by Sampler: <i>John Wells</i>	Date Time: <i>3/13/09 12:17</i>	Received By: <i>Peer</i>	Relinquished By: <i>John Wells</i>	Date Time: <i>3/13/09 14:51</i>	Received By: <i>John Wells</i>													
Relinquished by: <i>5</i>	Date Time: <i>6</i>	Received By: <i>6</i>	Relinquished by: <i>7</i>	Date Time: <i>8</i>	Received By: <i>8</i>													
Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers:						Cooler Temperature (s) Celsius: <i>48.3 44.6</i> 15:50												

F63933: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATIONACCUTEST'S JOB NUMBER: F63933DATE/TIME RECEIVED: 3/13/09 015:50

METHOD OF DELIVERY: FEDEX UPS

AIRBILL NUMBERS:

CLIENT: BFA PROJECT: HTC - Orlando# OF COOLERS RECEIVED: 3 COOLER TEMPS: 4.8 3.4 4.6

ACCUTEST COURIER GREYHOUND DELIVERY OTHER

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE RECEIVED IN COOLER

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATIONNUMBER OF ENCORES ? 0NUMBER OF 5035 FIELD KITS ? 0NUMBER OF LAB FILTERED METALS ? 0SUMMARY OF COMMENTS: Received 2 TB**SAMPLE INFORMATION**

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE E.T. 3/13/09TECHNICIAN SIGNATURE/DATE CLF 3/13/09

ASBD 12/17/07

F63933: Chain of Custody**Page 2 of 2**



GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2500-MB	C061919.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	5.0	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.26	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.33	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.28	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.25	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.32	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.22	ug/l	
75-00-3	Chloroethane	ND	2.0	0.48	ug/l	
67-66-3	Chloroform	ND	1.0	0.28	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.25	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.21	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.40	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.24	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.54	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.23	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.32	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.28	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.34	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.21	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.28	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.20	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.23	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.20	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.45	ug/l	

4.1

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Method Blank Summary

Page 2 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2500-MB	C061919.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.43	ug/l	
591-78-6	2-Hexanone	ND	10	5.0	ug/l	
87-68-3	Hexachlorobutadiene	0.94	2.0	0.69	ug/l	J
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.32	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.78	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.61	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.30	ug/l	
75-09-2	Methylene chloride	1.3	5.0	1.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	5.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.26	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.25	ug/l	
100-42-5	Styrene	ND	1.0	0.36	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.33	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.26	ug/l	
87-61-6	1,2,3-Trichlorobenzene	0.51	1.0	0.50	ug/l	J
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.34	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.22	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.22	ug/l	
108-88-3	Toluene	ND	1.0	0.35	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.32	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.30	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.6	ug/l	
	m,p-Xylene	ND	2.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.37	ug/l	

4.1

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Method Blank Summary

Page 3 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2500-MB	C061919.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	89%	76-127%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	96%	84-120%

Blank Spike Summary

Page 1 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2500-BS	C061918.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	95.4	76	59-134
107-02-8	Acrolein	125	98.1	78	33-157
107-13-1	Acrylonitrile	125	131	105	62-124
71-43-2	Benzene	25	27.5	110	83-124
108-86-1	Bromobenzene	25	25.9	104	83-115
74-97-5	Bromochloromethane	25	23.7	95	78-112
75-27-4	Bromodichloromethane	25	24.3	97	76-116
75-25-2	Bromoform	25	23.5	94	68-128
104-51-8	n-Butylbenzene	25	30.8	123	84-124
135-98-8	sec-Butylbenzene	25	29.9	120	86-127
98-06-6	tert-Butylbenzene	25	27.0	108	83-126
108-90-7	Chlorobenzene	25	28.4	114	87-115
75-00-3	Chloroethane	25	27.2	109	54-166
67-66-3	Chloroform	25	26.4	106	85-123
95-49-8	o-Chlorotoluene	25	28.0	112	84-121
106-43-4	p-Chlorotoluene	25	26.3	105	84-120
110-75-8	2-Chloroethyl vinyl ether	125	149	119	63-125
75-15-0	Carbon disulfide	25	28.6	114	67-147
56-23-5	Carbon tetrachloride	25	26.8	107	74-139
75-34-3	1,1-Dichloroethane	25	29.0	116	82-127
75-35-4	1,1-Dichloroethylene	25	32.6	130	75-133
563-58-6	1,1-Dichloropropene	25	28.2	113	87-127
96-12-8	1,2-Dibromo-3-chloropropane	25	22.4	90	61-118
106-93-4	1,2-Dibromoethane	25	22.9	92	80-115
107-06-2	1,2-Dichloroethane	25	23.6	94	76-122
78-87-5	1,2-Dichloropropane	25	28.0	112	81-120
142-28-9	1,3-Dichloropropane	25	24.2	97	81-113
594-20-7	2,2-Dichloropropane	25	28.0	112	77-138
124-48-1	Dibromochloromethane	25	24.0	96	74-116
75-71-8	Dichlorodifluoromethane	25	12.7	51	34-158
156-59-2	cis-1,2-Dichloroethylene	25	25.3	101	81-114
10061-01-5	cis-1,3-Dichloropropene	25	27.3	109	83-119
541-73-1	m-Dichlorobenzene	25	26.6	106	86-115
95-50-1	o-Dichlorobenzene	25	26.4	106	85-115
106-46-7	p-Dichlorobenzene	25	27.0	108	87-113
156-60-5	trans-1,2-Dichloroethylene	25	30.9	124	82-126

Blank Spike Summary

Page 2 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2500-BS	C061918.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	25	27.7	111	87-123
100-41-4	Ethylbenzene	25	27.5	110	87-118
591-78-6	2-Hexanone	125	119	95	58-125
87-68-3	Hexachlorobutadiene	25	30.7	123	71-133
98-82-8	Isopropylbenzene	25	28.4	114	87-131
99-87-6	p-Isopropyltoluene	25	29.6	118	83-125
108-10-1	4-Methyl-2-pentanone	125	127	102	62-125
74-83-9	Methyl bromide	25	26.6	106	55-151
74-87-3	Methyl chloride	25	28.4	114	55-173
74-95-3	Methylene bromide	25	25.1	100	81-116
75-09-2	Methylene chloride	25	33.5	134*	69-125
78-93-3	Methyl ethyl ketone	125	108	86	61-127
1634-04-4	Methyl Tert Butyl Ether	25	23.6	94	75-116
91-20-3	Naphthalene	25	27.1	108	59-125
103-65-1	n-Propylbenzene	25	29.6	118	86-125
100-42-5	Styrene	25	26.9	108	78-118
630-20-6	1,1,1,2-Tetrachloroethane	25	24.4	98	81-119
71-55-6	1,1,1-Trichloroethane	25	25.7	103	79-133
79-34-5	1,1,2,2-Tetrachloroethane	25	20.5	82	71-120
79-00-5	1,1,2-Trichloroethane	25	23.8	95	80-114
87-61-6	1,2,3-Trichlorobenzene	25	26.6	106	64-126
96-18-4	1,2,3-Trichloropropane	25	20.0	80	77-115
120-82-1	1,2,4-Trichlorobenzene	25	27.4	110	68-123
95-63-6	1,2,4-Trimethylbenzene	25	27.0	108	82-120
108-67-8	1,3,5-Trimethylbenzene	25	29.1	116	83-123
127-18-4	Tetrachloroethylene	25	25.7	103	80-131
108-88-3	Toluene	25	26.5	106	86-116
79-01-6	Trichloroethylene	25	28.4	114	85-124
75-69-4	Trichlorofluoromethane	25	28.6	114	66-156
75-01-4	Vinyl chloride	25	23.9	96	57-153
108-05-4	Vinyl Acetate	125	167	134	38-159
	m,p-Xylene	50	54.2	108	86-121
95-47-6	o-Xylene	25	26.1	104	83-121

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Blank Spike Summary

Page 3 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC2500-BS	C061918.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	87-116%
17060-07-0	1,2-Dichloroethane-D4	92%	76-127%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	93%	84-120%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63933-5MS	C061931.D	1	03/26/09	AJ	n/a	n/a	VC2500
F63933-5MSD	C061932.D	1	03/26/09	AJ	n/a	n/a	VC2500
F63933-5	C061927.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Compound	F63933-5 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	25 U	125	85.2	68	84.0	67	1	59-134/14
107-02-8	Acrolein	20 U	125	197	158*	193	154	2	33-157/21
107-13-1	Acrylonitrile	10 U	125	131	105	125	100	5	62-124/13
71-43-2	Benzene	1.0 U	25	25.2	101	22.0	88	14*	83-124/11
108-86-1	Bromobenzene	1.0 U	25	22.6	90	19.8	79*	13*	83-115/10
74-97-5	Bromochloromethane	1.0 U	25	21.4	86	19.1	76*	11*	78-112/10
75-27-4	Bromodichloromethane	1.0 U	25	21.9	88	19.4	78	12*	76-116/10
75-25-2	Bromoform	1.0 U	25	21.1	84	19.4	78	8	68-128/11
104-51-8	n-Butylbenzene	1.0 U	25	24.5	98	21.8	87	12*	84-124/10
135-98-8	sec-Butylbenzene	1.0 U	25	24.3	97	21.8	87	11*	86-127/10
98-06-6	tert-Butylbenzene	1.0 U	25	22.6	90	20.1	80*	12*	83-126/10
108-90-7	Chlorobenzene	1.0 U	25	24.9	100	21.9	88	13*	87-115/9
75-00-3	Chloroethane	2.0 U	25	25.0	100	20.2	81	21*	54-166/20
67-66-3	Chloroform	1.0 U	25	23.7	95	21.3	85	11*	85-123/10
95-49-8	o-Chlorotoluene	1.0 U	25	23.3	93	20.7	83*	12*	84-121/10
106-43-4	p-Chlorotoluene	1.0 U	25	22.6	90	20.0	80*	12*	84-120/10
110-75-8	2-Chloroethyl vinyl ether	5.0 U	125	ND	0*	ND	0*	nc	63-125/24
75-15-0	Carbon disulfide	2.0 U	25	24.9	100	22.6	90	10	67-147/12
56-23-5	Carbon tetrachloride	1.0 U	25	24.8	99	22.4	90	10	74-139/13
75-34-3	1,1-Dichloroethane	1.0 U	25	26.2	105	23.0	92	13*	82-127/10
75-35-4	1,1-Dichloroethylene	1.0 U	25	28.3	113	25.5	102	10	75-133/13
563-58-6	1,1-Dichloropropene	1.0 U	25	25.9	104	22.9	92	12*	87-127/10
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U	25	19.5	78	19.2	77	2	61-118/15
106-93-4	1,2-Dibromoethane	1.0 U	25	21.1	84	18.8	75*	12*	80-115/10
107-06-2	1,2-Dichloroethane	1.0 U	25	22.0	88	19.7	79	11	76-122/11
78-87-5	1,2-Dichloropropane	1.0 U	25	25.3	101	22.1	88	14*	81-120/11
142-28-9	1,3-Dichloropropane	1.0 U	25	21.8	87	19.5	78*	11	81-113/11
594-20-7	2,2-Dichloropropane	1.0 U	25	26.4	106	23.4	94	12	77-138/12
124-48-1	Dibromochloromethane	1.0 U	25	21.3	85	19.5	78	9	74-116/11
75-71-8	Dichlorodifluoromethane	2.0 U	25	12.7	51	12.4	50	2	34-158/22
156-59-2	cis-1,2-Dichloroethylene	1.0 U	25	22.4	90	20.6	82	8	81-114/10
10061-01-5	cis-1,3-Dichloropropene	1.0 U	25	24.3	97	21.6	86	12*	83-119/10
541-73-1	m-Dichlorobenzene	1.0 U	25	22.3	89	19.9	80*	11*	86-115/9
95-50-1	o-Dichlorobenzene	1.0 U	25	22.4	90	20.0	80*	11*	85-115/9
106-46-7	p-Dichlorobenzene	1.0 U	25	23.0	92	20.4	82*	12*	87-113/10
156-60-5	trans-1,2-Dichloroethylene	1.0 U	25	27.0	108	23.9	96	12*	82-126/10

Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63933-5MS	C061931.D	1	03/26/09	AJ	n/a	n/a	VC2500
F63933-5MSD	C061932.D	1	03/26/09	AJ	n/a	n/a	VC2500
F63933-5	C061927.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Compound	F63933-5 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	1.0 U	25	25.3	101	22.6	90	11*	87-123/10
100-41-4	Ethylbenzene	1.0 U	25	25.0	100	22.0	88	13*	87-118/10
591-78-6	2-Hexanone	10 U	125	104	83	96.4	77	8	58-125/14
87-68-3	Hexachlorobutadiene	2.0 U	25	18.3	73	18.1	72	1	71-133/12
98-82-8	Isopropylbenzene	1.0 U	25	24.8	99	21.7	87	13*	87-131/10
99-87-6	p-Isopropyltoluene	1.0 U	25	24.0	96	21.2	85	12*	83-125/9
108-10-1	4-Methyl-2-pentanone	5.0 U	125	112	90	103	82	8	62-125/13
74-83-9	Methyl bromide	2.0 U	25	23.9	96	19.1	76	22*	55-151/21
74-87-3	Methyl chloride	2.0 U	25	25.8	103	23.2	93	11	55-173/22
74-95-3	Methylene bromide	2.0 U	25	24.1	96	21.8	87	10	81-116/10
75-09-2	Methylene chloride	5.0 U	25	28.8	115	25.6	102	12*	69-125/11
78-93-3	Methyl ethyl ketone	5.0 U	125	96.2	77	91.0	73	6	61-127/13
1634-04-4	Methyl Tert Butyl Ether	1.0 U	25	21.6	86	19.5	78	10	75-116/10
91-20-3	Naphthalene	5.0 U	25	19.5	78	20.0	80	3	59-125/15
103-65-1	n-Propylbenzene	1.0 U	25	25.0	100	22.1	88	12*	86-125/10
100-42-5	Styrene	1.0 U	25	22.8	91	20.2	81	12*	78-118/11
630-20-6	1,1,1,2-Tetrachloroethane	1.0 U	25	21.6	86	19.1	76*	12*	81-119/10
71-55-6	1,1,1-Trichloroethane	1.0 U	25	23.6	94	21.1	84	11	79-133/11
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U	25	22.2	89	20.5	82	8	71-120/11
79-00-5	1,1,2-Trichloroethane	1.0 U	25	22.1	88	19.8	79*	11	80-114/11
87-61-6	1,2,3-Trichlorobenzene	1.0 U	25	18.3	73	19.7	79	7	64-126/16
96-18-4	1,2,3-Trichloropropane	2.0 U	25	18.2	73*	17.2	69*	6	77-115/12
120-82-1	1,2,4-Trichlorobenzene	1.0 U	25	19.5	78	19.8	79	2	68-123/11
95-63-6	1,2,4-Trimethylbenzene	2.0 U	25	22.6	90	20.2	81*	11*	82-120/10
108-67-8	1,3,5-Trimethylbenzene	2.0 U	25	23.8	95	21.3	85	11*	83-123/10
127-18-4	Tetrachloroethylene	1.0 U	25	23.4	94	20.9	84	11	80-131/12
108-88-3	Toluene	1.0 U	25	23.5	94	20.4	82*	14*	86-116/10
79-01-6	Trichloroethylene	1.0 U	25	24.4	98	20.8	83*	16*	85-124/10
75-69-4	Trichlorofluoromethane	2.0 U	25	26.7	107	23.1	92	14	66-156/15
75-01-4	Vinyl chloride	1.0 U	25	20.6	82	18.7	75	10	57-153/22
108-05-4	Vinyl Acetate	10 U	125	161	129	145	116	10	38-159/11
	m,p-Xylene	2.0 U	50	49.6	99	43.6	87	13*	86-121/10
95-47-6	o-Xylene	1.0 U	25	23.0	92	20.2	81*	13*	83-121/10

Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63933-5MS	C061931.D	1	03/26/09	AJ	n/a	n/a	VC2500
F63933-5MSD	C061932.D	1	03/26/09	AJ	n/a	n/a	VC2500
F63933-5	C061927.D	1	03/26/09	AJ	n/a	n/a	VC2500

The QC reported here applies to the following samples:

Method: SW846 8260B

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10, F63933-11

CAS No.	Surrogate Recoveries	MS	MSD	F63933-5	Limits
1868-53-7	Dibromofluoromethane	103%	103%	102%	87-116%
17060-07-0	1,2-Dichloroethane-D4	95%	94%	92%	76-127%
2037-26-5	Toluene-D8	98%	97%	99%	86-112%
460-00-4	4-Bromofluorobenzene	93%	93%	96%	84-120%



GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY1528-MB	XY037281.D1		03/18/09	CW	n/a	n/a	GXY1528

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-6, F63933-8, F63933-9, F63933-10

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	

Method Blank Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY1529-MB	XY037309.D1		03/19/09	CW	n/a	n/a	GXY1529

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-9, F63933-10

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.50	0.16	ug/l	

Blank Spike Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY1528-BS	XY037282.D1		03/18/09	CW	n/a	n/a	GXY1528

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-6, F63933-8, F63933-9, F63933-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	109	101	54-149

Blank Spike Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GXY1529-BS	XY037310.D1		03/19/09	CW	n/a	n/a	GXY1529

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-9, F63933-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
74-82-8	Methane	108	109	101	54-149

Matrix Spike Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63866-1MS	XY037304.D 1		03/18/09	CW	n/a	n/a	GXY1528
F63866-1	XY037283.D 1		03/18/09	CW	n/a	n/a	GXY1528

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-6, F63933-8, F63933-9, F63933-10

CAS No.	Compound	F63866-1		Spike	MS	MS	Limits
		ug/l	Q	ug/l	ug/l	%	
74-82-8	Methane	0.50	U	108	107	99	54-149

Matrix Spike Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63934-6MS	XY037332.D 1		03/19/09	CW	n/a	n/a	GXY1529
F63934-6	XY037328.D 1		03/19/09	CW	n/a	n/a	GXY1529

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-9, F63933-10

CAS No.	Compound	F63934-6		Spike	MS	MS	Limits
		ug/l	Q	ug/l	ug/l	%	
74-82-8	Methane	328		108	418	83	54-149

Duplicate Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63933-6DUP	XY037303.D1		03/18/09	CW	n/a	n/a	GXY1528
F63933-6	XY037294.D1		03/18/09	CW	n/a	n/a	GXY1528

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-6, F63933-8, F63933-9, F63933-10

CAS No.	Compound	F63933-6		DUP		Q	RPD	Limits
		ug/l	Q	ug/l				
74-82-8	Methane	292		286		2		24

Duplicate Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F63934-6DUP	XY037331.D 1		03/19/09	CW	n/a	n/a	GXY1529
F63934-6	XY037328.D 1		03/19/09	CW	n/a	n/a	GXY1529

The QC reported here applies to the following samples:

Method: RSKSOP-147/175

F63933-9, F63933-10

CAS No.	Compound	F63934-6		DUP		Q	RPD	Limits
		ug/l	Q	ug/l				
74-82-8	Methane	328		323		2		24



GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28415-MB	OP86079.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	80% 38-122%

Method Blank Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28415-MB	OP86128.D	1	03/23/09	SL	03/19/09	OP28415	GOP2237

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	83% 38-122%

Method Blank Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-MB	IJ56254.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	102% 38-122%

Method Blank Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-MB	IJ56307.D	1	03/24/09	SL	03/20/09	OP28426	GIJ1963

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-11

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C8-C40)	ND	0.25	0.17	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	100% 38-122%

Blank Spike Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28415-BS	OP86078.D	1	03/20/09	SL	03/19/09	OP28415	GOP2236

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C8-C40)	0.85	0.562	66	54-110

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	71%	38-122%

Blank Spike Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-BS	IJ56253.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-11

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH (C8-C40)	0.85	0.677	80	54-110

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	38-122%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28415-MS	OP86096.D	1	03/21/09	SL	03/19/09	OP28415	GOP2236
OP28415-MSD	OP86097.D	1	03/21/09	SL	03/19/09	OP28415	GOP2236
F63971-4	OP86095.D	1	03/21/09	SL	03/19/09	OP28415	GOP2236

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-1, F63933-2, F63933-3, F63933-4, F63933-5, F63933-6, F63933-7, F63933-8, F63933-9, F63933-10

CAS No.	Compound	F63971-4		Spike	MS	MS	MSD	MSD	Limits	
		mg/l	Q	mg/l	mg/l	%	mg/l	%	RPD	Rec/RPD
	TPH (C8-C40)	0.25	U	1.63	1.31	80	1.32	81	1	54-110/28

CAS No.	Surrogate Recoveries	MS	MSD	F63971-4	Limits
84-15-1	o-Terphenyl	75%	74%	58%	38-122%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: F63933

Account: BFACFLO BFA Environmental Consultants

Project: NTC Orlando, Orlando, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28426-MS	IJ56258.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962
OP28426-MSD	IJ56259.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962
F63939-2	IJ56257.D	1	03/23/09	SL	03/20/09	OP28426	GIJ1962

The QC reported here applies to the following samples:

Method: FLORIDA-PRO

F63933-11

CAS No.	Compound	F63939-2		Spike mg/l	MS mg/l	MS %	MSD mg/l	MSD %	RPD	Limits Rec/RPD
		mg/l	Q							
	TPH (C8-C40)	0.24	U	1.63	1.44	88	1.40	86	3	54-110/28

CAS No.	Surrogate Recoveries	MS	MSD	F63939-2	Limits
84-15-1	o-Terphenyl	93%	92%	75%	38-122%



General Chemistry

QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F63933
Account: BFACFLO - BFA Environmental Consultants
Project: NTC Orlando, Orlando, FL

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chloride	GP12649/GN34203	2.0	0.0	mg/l	50	50.4	100.8	90-110%
Nitrogen, Nitrate	GP12649/GN34203	0.10	0.0	mg/l	2.5	2.53	101.2	90-110%
Nitrogen, Nitrite	GP12649/GN34203	0.10	0.0	mg/l	2.5	2.57	102.8	90-110%
Sulfate	GP12649/GN34203	2.0	0.0	mg/l	50	50.1	100.2	90-110%

Associated Samples:

Batch GP12649: F63933-10, F63933-6, F63933-8, F63933-9

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F63933
Account: BFACFL - BFA Environmental Consultants
Project: NTC Orlando, Orlando, FL

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chloride	GP12649/GN34203	F63933-6	mg/l	11.6	11.7	0.9	0-20%
Nitrogen, Nitrate	GP12649/GN34203	F63933-6	mg/l	0.050 U	0.0	0.0	0-20%
Nitrogen, Nitrite	GP12649/GN34203	F63933-6	mg/l	0.050 U	0.0	0.0	0-20%
Sulfate	GP12649/GN34203	F63933-6	mg/l	15.9	15.8	0.6	0-20%

Associated Samples:

Batch GP12649: F63933-10, F63933-6, F63933-8, F63933-9

(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: F63933
Account: BFACFL - BFA Environmental Consultants
Project: NTC Orlando, Orlando, FL

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chloride	GP12649/GN34203	F63933-6	mg/l	11.6	50	62.8	102.4	90-110%
Nitrogen, Nitrate	GP12649/GN34203	F63933-6	mg/l	0.050 U	2.5	2.8	112.0N(a)	90-110%
Nitrogen, Nitrite	GP12649/GN34203	F63933-6	mg/l	0.050 U	2.5	2.3	92.0	90-110%
Sulfate	GP12649/GN34203	F63933-6	mg/l	15.9	50	61.8	91.8	90-110%

Associated Samples:

Batch GP12649: F63933-10, F63933-6, F63933-8, F63933-9

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.



Client Name: Accutest Labs
Contact: Aaron BenDavid
Address: 4405 Vineland St.
Suite C-15
Orlando, FL 32811

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Lab Proj #: P0903199
Report Date: 03/30/09
Client Proj Name: F63933
Client Proj #: F63933

Laboratory Results

Total pages in data package: 8

Lab Sample #	Client Sample ID
P0903199-01	01D-38-54C
P0903199-02	01D-38-56C
P0903199-03	01D-38-58C-1
P0903199-04	01D-38-58C-2

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not

Approved By: Rachel Whitby Date: 3/30/09

Project Manager: Rachel Whitby

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

*As a valued client we would appreciate your comments on our service
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.*

Case Narrative:

Client Name: Accutest Labs
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Page: Page 2 of 7
Lab Proj #: P0903199
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Client Proj #: F63933

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>		<u>Sampled Date/Time</u>		<u>Received</u>	
01D-38-54C	Vapor	P0903199-01		12 Mar. 09 14:20		17 Mar. 09 11:22	
<u>Analyte(s)</u>	<u>Flag</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
RiskAnalysis N Hydrogen		0.730	0.600	nM	AM20GAX	3/23/09	sl



Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

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Lab Proj #: P0903199
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Client Proj Name: F63933
Client Proj #: F63933

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>		<u>Sampled Date/Time</u>		<u>Received</u>	
01D-38-56C	Vapor	P0903199-02		12 Mar 09 14:45		17 Mar 09 11:22	
<u>Analyte(s)</u>	<u>Flag</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
RiskAnalysis N Hydrogen		0.660	0.600	nM	AM20GAX	3/23/09	sl



Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

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Lab Proj #: P0903199
Report Date: 03/30/09
Client Proj Name: F63933
Client Proj #: F63933

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>		<u>Sampled Date/Time</u>	<u>Received</u>		
01D-38-58C-1	Vapor	P0903199-03		12 Mar. 09 11:25	17 Mar. 09	11:22	
<u>Analyte(s)</u>	<u>Flag</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
RiskAnalysis N Hydrogen		0.960	0.600	nM	AM20GAX	3/24/09	sl



Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

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Lab Proj #: P0903199
Report Date: 03/30/09
Client Proj Name: F63933
Client Proj #: F63933

<u>Sample Description</u>	<u>Matrix</u>	<u>Lab Sample #</u>		<u>Sampled Date/Time</u>		<u>Received</u>	
01D-38-58C-2	Vapor	P0903199-04		12 Mar 09 12:45		17 Mar. 09 11:22	
<u>Analyte(s)</u>	<u>Flag</u>	<u>Result</u>	<u>PQL</u>	<u>Units</u>	<u>Method #</u>	<u>Analysis Date</u>	<u>By</u>
RiskAnalysis N Hydrogen		2.000	0.600	nM	AM20GAX	3/24/09	sl



Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

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Lab Proj #: P0903199
Report Date: 03/30/09
Client Proj Name: F63933
Client Proj #: F63933

Prep Method: Hydrogen by Bubble Strip
Analysis Method: Hydrogen by Bubble Strip

M090323045-MB

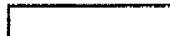
	<u>Result</u>	<u>TrueSpikeConc.</u>	<u>RDL</u>	<u>%Recovery</u>	<u>Ctl Limits</u>
Hydrogen	< 0.600 nM		0.600		- NA

M090323045-LCS

	<u>Result</u>	<u>TrueSpikeConc.</u>	<u>%Recovery</u>	<u>Ctl Limits</u>
Hydrogen	54.000 nM	48.91	110.00	75 - 125

M090323045-LCSD

	<u>Result</u>	<u>TrueSpikeConc.</u>	<u>%Recovery</u>	<u>Ctl Limits</u>	<u>RPD</u>	<u>RPD Ctl Limits</u>
Hydrogen	53.000 nM	48.91	108.00	75 - 125	1.87	0 - 20



Outlined Results indicate results outside of Control limits

Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis



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Report Date: 03/30/09
Client Proj Name: F63933
Client Proj #: F63933

Prep Method: Hydrogen by Bubble Strip
Analysis Method: Hydrogen by Bubble Strip

M090324049-MB

	<u>Result</u>	<u>TrueSpikeConc.</u>	<u>RDL</u>	<u>%Recovery</u>	<u>Ctl Limits</u>
Hydrogen	< 0.600 nM		0.600		- NA

M090324049-LCS

	<u>Result</u>	<u>TrueSpikeConc.</u>	<u>%Recovery</u>	<u>Ctl Limits</u>
Hydrogen	52.000 nM	48.91	106.00	75 - 125

M090324049-LCSD

	<u>Result</u>	<u>TrueSpikeConc.</u>	<u>%Recovery</u>	<u>Ctl Limits</u>	<u>RPD</u>	<u>RPD Ctl Limits</u>
Hydrogen	52.000 nM	48.91	106.00	75 - 125	0.00	0 - 20

[] Outlined Results indicate results outside of Control limits



Data Qualifiers: J - estimated value, U - Non detect, R - Poor surrogate recovery, M - Recovery/RPD poor for MS/MSD, SAMP/DUP, B - detected in blank, S - field sample as received did not meet NELAC sample acceptance criteria, L - Subcontracted Lab used, N - NELAC certified analysis

